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Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: [List of Approved and Proposed ANS](#)

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AIAA (American Institute of Aeronautics and Astronautics)

Nick Tongson; NickT@aiaa.org | 12700 Sunrise Valley Drive, Suite 200 | Reston, VA 20191-5807 www.aiaa.org

New Standard

BSR/AIAA S-157-202x, On Orbit Servicing (OOS) – Prepared In-Space (Re)Fueling Systems for Storable Propellants (new standard)

Stakeholders: Space industry (Airbus, SpaceLogistics, AstroScale, OrbitFab, etc.), government (U.S. Space Force, NASA, MDA, DARPA), academic (universities and research facilities).

Project Need: As spacecraft servicing and assembly grow, the need for refueling (or “refilling”) becomes significant. Spacecraft operators and autonomous systems will refuel prepared spacecraft with many different providers and customers. This document provides the current industry best practices for development of prepared interfaces for in-space (re)fueling for storable propellants. It is intended to provide guidance to developers and operators of both the servicing vehicles and the client vehicles.

Interest Categories: Industry, Government, Producer, General Interest, Academic and Research.

Scope: This document defines best practices and requirement for the design, testing, and operation of “prepared spacecraft” in-space (re)fueling systems. The term “prepared spacecraft” describes a spacecraft that includes interfaces and accommodations intentionally designed to enable safe and efficient servicing. This document includes requirements and recommendations for both servicer and client spacecraft. At present, the recommendations’ scope is limited to storable (non-cryogenic) propellants and pressurants. These recommendations could easily be extended to other storable non-propellant fluids. The standards and recommendations collected here are informed by years of engineering development experience garnered through work with NASA on in-space (re)fueling technology development programs augmented by relevant commercial industry experience.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-12-4-202x, Wind energy generation systems - Part 12-4: Numerical site calibration for power performance testing of wind turbines (identical national adoption of IEC TR 61400-12-4:2020)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-15-1-202x, Wind energy generation systems - Part 15-1: Site suitability input conditions for wind power plants (identical national adoption of IEC 61400-15-1:2022)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-25-1-202x, Wind energy generation systems - Part 25-1: Communications for monitoring and control of wind power plants - Overall description of principles and models (identical national adoption of IEC 61400-25-1:2017)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-25-2-202x, Wind energy generation systems - Part 25-2: Communications for monitoring and control of wind power plants - Information models (identical national adoption of IEC 61400-25-2:2015)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-25-3-202x, Wind energy generation systems - Part 25-3: Communications for monitoring and control of wind power plants - Information exchange models (identical national adoption of IEC 61400-25-3:2015)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-25-4-202x, Wind energy generation systems - Part 25-4: Communications for monitoring and control of wind power plants - Mapping to communication profile (identical national adoption of IEC 61400-25-4:2016)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 61400-25-5-202x, Wind energy generation systems - Part 25-5: Communications for monitoring and control of wind power plants - Compliance testing (identical national adoption of IEC 61400-25-5:2017)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-25-6-202x, Wind energy generation systems - Part 25-6: Communications for monitoring and control of wind power plants - Logical node classes and data classes for condition monitoring (identical national adoption of IEC 61400-25-6:2016)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-27-1-202x, Wind energy generation systems - Part 27-1: Electrical simulation models - Generic models (identical national adoption of IEC 61400-27-1:2020)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 61400-27-2-202x, Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation (identical national adoption of IEC 61400-27-2:2020)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-50-3-202x, Wind energy generation systems - Part 50-3: Use of nacelle-mounted lidars for wind measurements (identical national adoption of IEC 61400-50-3:2022)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly; secretary@aresca.us | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-25-71-202x, Wind energy generation systems - Part 25-71: Communications for monitoring and control of wind power plants - Configuration description language (identical national adoption of IEC TS 61400-25-71:2019)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI).

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest.

Scope: Identical adoption of IEC.

AWS (American Welding Society)

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Revision

BSR/AWS D8.9M-202x, Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials (revision of ANSI/AWS D8.9M-2022)

Stakeholders: Automotive Community, Resistance Spot Welding Community.

Project Need: The test methods are intended for application in a laboratory environment to characterize certain aspects of the welding behavior of sheet steel products under controlled experimental conditions. They are not intended to simulate production welding practices or to predict welding performance of a given grade of steel in production operations. The test methods and parameters are designed to be used for sheet steels (typically in automotive applications) ranging in thickness from 0.6 mm to 3.0 mm.

Interest Categories: Producers, Users, General Interests, Educators, Consultants.

Scope: This document presents standard test methods for evaluating the resistance spot welding behavior of automotive sheet steels. The document contains a number of tests and test methods useful in determining the resistance spot welding performance of coated and uncoated automotive sheet steels of all strength levels and compositions. The test methods are designed to assess current range, electrode endurance, and weld properties of automotive sheet steels. The weld property tests include tests for hold time sensitivity, weld hardness, shear tension strength, and cross tension strength.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 149-202x, Recommended Practice for Antenna Measurements (new standard)

Stakeholders: Stakeholders include engineers, researchers, companies, government, academia and other individuals and organizations involved in the area of antenna design, development, procurement, manufacturing, evaluation and use. The primary stakeholders are those within the aforementioned groups interested more specifically in the evaluation and testing of antennas and in the design of antenna measurement facilities.

Project Need: The existing standard has not been revised since 1979.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>.

Scope: This document comprises recommended practices for the measurement of antenna transmitting and receiving properties. It is a comprehensive revision and extension of ANSI/IEEE Std 149-1979. Throughout this standard, it may be assumed that the antenna to be measured can be treated as a passive, linear, and reciprocal device. Therefore, its radiation properties can be measured in either the transmitting or the receiving mode. Many of the test practices described can, however, be adapted for use in the measurement of antenna systems containing circuit elements that may be active, nonlinear, or nonreciprocal. For these cases, there is no simple relationship between the antenna systems transmitting and receiving properties. Therefore, measurements shall be performed for the mode or modes in which the antenna system has been designed to be used. The measurement of radiation patterns in an antenna test facility is discussed. The design of antenna test facilities is described along with instrumentation requirements for the proper operation of the antenna facility, directions for the evaluation of an (existing) range, and the operation of ranges is discussed. For each direction of space, the radiation pattern is characterized by amplitude, phase, and polarization.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton; Paul.Crampton@nema.org | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.8-202x, Wet Process Porcelain Insulators - Apparatus, Cap and Pin Type (revision of ANSI C29.8-2017)

Stakeholders: Manufacturers, Electric Power Utilities, HV Transmission systems.

Project Need: To keep standard current.

Scope: This standard covers outdoor high-voltage cap and pin type apparatus insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton; Paul.Crampton@nema.org | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.9-202x, Wet Process Porcelain Insulators - Apparatus, Post Type (revision of ANSI C29.9-2017)

Stakeholders: Manufacturers, Electric Power Utility companies, Public Utilities, High-voltage electric transmission systems.

Project Need: Need to revise existing standard.

Scope: This standard covers outdoor high-voltage post-type apparatus insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton; Paul.Crampton@nema.org | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.10-202x, Wet Process Porcelain Insulators - Indoor Apparatus Type (revision of ANSI C29.10-2017)

Stakeholders: Manufacturers, Electric Power Utility companies, Public Utilities, High-voltage electric transmission systems.

Project Need: Need to revise existing standard.

Scope: This standard covers indoor high-voltage apparatus insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

NENA (National Emergency Number Association)

Delaine Arnold; darnold@nena.org | 1700 Diagonal Road, Suite 500 | Alexandria, VA 22314 www.nena.org

Revision

BSR/NENA STA-011.2-202x, NENA Standards for 9-1-1 Professional Education (revision and redesignation of ANSI/NENA STA-011.1-2021)

Stakeholders: Producers, Users & General Interest with operational and technical backgrounds.

Project Need: Provide a standard for colleges and high schools to develop educational programs for 9-1-1 public safety communications personnel.

Interest Categories: Producers, Users & General Interest with operational and technical backgrounds.

Scope: This work will provide standards related to 9-1-1 professional education to aid in the development of degree programs for 9-1-1 public safety communications personnel and individuals who work on 9-1-1 systems.

This effort will ensure the 9-1-1 industry has a reliable work force both for PSAP operations and to manage, design, construct and maintain the 9-1-1 system and its many components. This effort will also ensure that programs provide a basic level of knowledge and skill, no matter where they may be located. To join this group, go to <http://www.nena.org/?page=Join911ProfEduWG>.

SCTE (Society of Cable Telecommunications Engineers)

Kim Cooney; kcooney@scte.org | 140 Philips Rd | Exton, PA 19341 www.scte.org

Reaffirmation

BSR/SCTE 28-2017 (R202x), Host-POD Interface Standard (reaffirmation of ANSI/SCTE 28-2017)

Stakeholders: Cable Telecommunications Industry.

Project Need: Update current technology.

Interest Categories: General Interest, Users, Producers.

Scope: This standard defines the characteristics and normative specifications for the interface between Point of Deployment (POD) security modules owned and distributed by cable operators, and commercially available consumer receivers and set-top terminals (“Host devices”) that are used to access multi-channel television programming carried on North American cable systems. The Point-of-Deployment module is also known as a CableCARD™ device. These Host devices may also be supplied by the cable operators.

SCTE (Society of Cable Telecommunications Engineers)

Kim Cooney; kcooney@scte.org | 140 Philips Rd | Exton, PA 19341 www.scte.org

Revision

BSR/SCTE 67-202x, Recommended Practice for Digital Program Insertion for Cable (revision of ANSI/SCTE 67-2017)

Stakeholders: Cable Telecommunications Industry.

Project Need: Update current technology.

Interest Categories: Users, General Interest, Producers.

Scope: This document is an informational companion to SCTE 35. It is not in itself a specification or a standard. The information within is intended as guideline information. Where this document contradicts SCTE 35, SCTE 35 takes precedence.

Call for Comment on Standards Proposals

American National Standards

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section (s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: May 22, 2022

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | cking@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum c to BSR/ASHRAE Standard 147-202x, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013)

This addendum makes additions to Section 3 Definitions, 7.2 Field Leak Testing, 7.3 Field Evacuation, and A5.3 Leak Testing. Changes redefine Deep Vacuum and the procedures for leak and vacuum testing. With the increasing availability of A2L refrigerants, these changes are necessary to harmonize with ASHRAE Std -15, UL 60335-2-40.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | cking@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum d to BSR/ASHRAE Standard 147-202x, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013)

This addendum makes a change to a normative reference to add a date of publication.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

Comment Deadline: May 22, 2022

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | rshanley@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/ASHE Addendum b to BSR/ASHRAE/ASHE Standard 189.3-202x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2017)

This proposed addendum to Standard 189.3 removes Exception #1 as part of Section 6.3.3.1 due to the unique patient population within healthcare facilities and the concern for pathogens present in water distribution systems.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

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Addenda

BSR/ASHRAE/ASHE Addendum c to BSR/ASHRAE/ASHE Standard 189.3-202x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2017)

This proposed addendum to Standard 189.3 eliminates Standard 189.1 Addendum ax from being incorporated into Standard 189.3 and provides alternative requirements for IAQ Construction Management and Start-up by referenced section in ANSI/ASHRAE/ASHE Standard 170.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | cking@ashrae.org, www.ashrae.org

Revision

BSR/ASHRAE Standard 72-202x, Method of Testing Open and Closed Commercial Refrigerators and Freezers (revision of ANSI/ASHRAE Standard 72-2018)

This revision of ANSI/ASHRAE Standard 72-2018 prescribes a uniform method of testing open and closed refrigerators and freezers for rating so that comparative evaluations can be made for energy consumption, product temperature performance, refrigeration load, the suction pressures required, and other performance factors. It includes updates in the loading of test simulators and filler material; the sequence of operations during the test; and the instructions for some measurements. It also adds provisions for roll-in racks.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

Comment Deadline: May 22, 2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

Revision

BSR/NSF 25-202x (i10r6), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2021)

This Standard contains requirements for food and beverage vending machines, including those that vend packaged food and beverages and those that vend food and beverages in bulk.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

Revision

BSR/NSF 49-202x (i143r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

Revision

BSR/NSF 245-202x (i25r3), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: jsnider@nsf.org

Comment Deadline: May 22, 2022

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, <https://ul.org/>

Revision

BSR/UL 231-202x, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2022)

This proposal covers a revision of requirements for Power Outlets with Ground-Fault Circuit-Interrupter Protection.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Comment Deadline: June 6, 2022

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard

BSR/ASB Std 015-202x, Standard for Examining Friction Ridge Impressions (new standard)

This document specifies the minimum requirements for conducting friction ridge examinations. It includes the overarching examination framework as well as specific requirements for each component of any examination methodology. This document includes minimum requirements for conducting, documenting, and justifying examinations based on clearly demonstrable and articulable criteria. This document does not address specific requirements for quality assurance/quality control of the examination methodology.

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AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard

BSR/ASB Std 143-202x, Standard for Technical Review in Friction Ridge Examination (new standard)

This document specifies minimum requirements for technical review of friction ridge impression examinations. This document does not address administrative review, verification, or testimony monitoring.

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Comment Deadline: June 6, 2022

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard

BSR/ASB Std 167-202x, Standard for Reporting Results from Friction Ridge Examinations (new standard)

This document prescribes the minimum administrative and technical information that are required to be included in friction ridge examination reports. This document does not include the requirements for supporting documentation of reported elements (e.g., case notes, custody documents), or testimony.

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AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | shrutik@amca.org, www.amca.org

New Standard

BSR/AMCA 270-202x, Laboratory Methods of Testing Fan Arrays for Rating (new standard)

The purpose of this standard is to establish a laboratory method for determining the aerodynamic performance of fan arrays. Key performance metrics are airflow rate, pressures, shaft power, and electrical power for fan arrays. This standard is an adjunct to ANSI/AMCA 210 to accommodate the unique requirements of fan arrays.

Single copy price: \$45.00 (Member price); \$90.00 (Non-member price)

Obtain an electronic copy from: shrutik@amca.org

Order from: Shruti Kohli-Bhargava, AMCA International, Inc., 30 West University Drive, Arlington Heights, IL 60004

Send comments (copy psa@ansi.org) to: Shruti Kohli-Bhargava, shrutik@amca.org

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

Reaffirmation

BSR/ASHRAE Standard 32.2-2018 (R202x), Methods of Testing for Rating Pre-Mix and Post-Mix Beverage Dispensing Equipment (reaffirmation of ANSI/ASHRAE Standard 32.2-2018)

The purpose of this standard is to specify uniform methods of testing for rating the capacity and efficiency of pre-mix and post-mix beverage dispensing equipment.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <http://www.ashrae.org/standards-research-technology/public-review-drafts>

Order from: standards.section@ashrae.org

Send comments (copy psa@ansi.org) to: Online Comment Database at <http://www.ashrae.org/standards-research-technology/public-review-drafts>

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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

Revision

BSR/ASHRAE Standard 32.1-202X, Method of Testing for Rating Refrigerated Vending Machines for Sealed Beverages (revision of ANSI/ASHRAE Standard 32.1-2017)

The purpose of this standard is to specify methods of testing for rating the capacity and efficiency of self-contained, mechanically refrigerated vending machines for sealed beverages.

Single copy price: \$35.00

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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

Withdrawal

ANSI/ASHRAE Standard 23.1-2019, Methods of Testing for Performance Rating Positive Displacement Refrigerant Compressors and Condensing Units That Operate at Subcritical Temperatures of the Refrigerant (withdrawal of ANSI/ASHRAE Standard 23.1-2019)

Standard 23-2022 was recently published which combines the content of Standards 23.1 and 23.2 into a single standard. Therefore, this standard should be removed for future continuity and to avoid conflicting standards and unnecessary maintenance.

Single copy price: \$35.00

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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

Withdrawal

ANSI/ASHRAE Standard 23.2-2019, Methods of Test for Rating the Performance of Positive Displacement Compressors that Operate at Supercritical Pressures of the Refrigerants (withdrawal of ANSI/ASHRAE Standard 23.2-2019)

Standard 23-2022 was recently published which combines the content of Standards 23.1 and 23.2 into a single standard. Therefore, this standard should be removed for future continuity and to avoid conflicting standards and unnecessary maintenance.

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ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME B31.3-202x, Process Piping (revision of ANSI/ASME B31.3-2020)

Rules for the Process Piping Code, Section B31.3, have been developed considering piping typically found in petroleum refineries; onshore and offshore petroleum and natural gas production facilities; chemical, pharmaceutical, textile, paper, ore processing, semiconductor, and cryogenic plants; food and beverage processing facilities; and related processing plants and terminals. (a) This Code prescribes requirements for materials and components, design, fabrication, assembly, erection, examination, inspection, and testing of piping; (b) This Code applies to piping for all fluids, including (1) raw, intermediate, and finished chemicals; (2) petroleum products; (3) gas, steam, air, and water; (4) fluidized solids; (5) refrigerants; and (6) cryogenic fluids.

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Riad Mohamed; MohamedR@asme.org

Comment Deadline: June 6, 2022

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

Revision

BSR/ASSP A10.18-202X, Safety Requirements for Temporary Roof and Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges in Construction and Demolition Operations (revision and redesignation of ANSI/ASSE A10.18-2007 (R2012))

This standard prescribes rules and establishes minimum safety requirements for the protection of employees and the public from hazards arising out of or associated with temporary roof and floor holes, wall openings, stairways, and other unprotected sides and edges, roofs, during construction and demolition activities. This standard applies only to those instances when the leading edge work is inactive and is not currently under construction and is, therefore, considered an unprotected side and edge.

Single copy price: \$110.00

Obtain an electronic copy from: Tim Fisher; TFisher@ASSP.Org

Order from: Tim Fisher; tfisher@assp.org

Send comments (copy psa@ansi.org) to: Same

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

Revision

BSR/ASSP A10.39-202X, Construction Safety & Health Audit Program (revision and redesignation of ANSI/ASSE A10.39-1996 (R2017))

This standard identifies the minimum performance elements that, when properly utilized, will allow for a competent evaluation of a construction safety and health program. Further, it will identify those areas where systems, records and performance elements are required in order to produce a quality audit.

Single copy price: \$110.00

Obtain an electronic copy from: Tim Fisher; TFisher@ASSP.Org

Order from: Tim Fisher; tfisher@assp.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E1529-202x, Test Methods for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies (revision of ANSI/ASTM E1529-2016)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E1537-202x, Test Method for Fire Testing of Upholstered Furniture (revision of ANSI/ASTM E1537-2016)

<https://www.astm.org/ansi-review>

Single copy price: Free

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100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E1623-202x, Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter (ICAL) (revision of ANSI/ASTM E1623-2016)

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E2707-202x, Test Method for Determining Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure (revision of ANSI/ASTM E2707-2015)

<https://www.astm.org/ansi-review>

Single copy price: Free

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AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

Revision

BSR/AWS A5.29/A5.29M-202x, Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding (revision of ANSI/AWS A5.29/A5.29M-2021)

This specification prescribes the requirements for classification of low-alloy steel electrodes for flux cored arc welding. The requirements include chemical composition and mechanical properties of the weld metal and certain usability characteristics. Optional supplemental designators are also included for improved toughness and diffusible hydrogen. Additional requirements are included for standard sizes, marking, manufacturing, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of low-alloy steel flux cored electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

Single copy price: \$28.00 (AWS members)/\$37.00 (non-members)

Obtain an electronic copy from: kbulger@aws.org

Order from: Kevin Bulger; kbulger@aws.org

Send comments (copy psa@ansi.org) to: Same

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

Revision

BSR/EIA 364-82B-202x, Corrosivity of Plastics Test Procedure for Electrical Connector and Socket Housings (revision and redesignation of ANSI/EIA 364-82A-2005 (R2017))

This standard establishes a test method to determine whether a plastic electrical connector or socket housing generates corrosive elements when in contact with metallic parts or components.

Single copy price: \$72.00

Obtain an electronic copy from: global.ihs.com

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

New Standard

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

This standard applies to industrial turntables designed to rotate in the horizontal plane that are activated manually, or by hydraulic, pneumatic, mechanical, or electro-mechanical means. Industrial turntables can be stationary or movable, and manual or powered. They are typically used to rotate, position, feed, transfer, load, or unload materials only (not personnel). Industrial turntables are available in a range of capacities, sizes, and degrees of rotation.

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison; pdavison@mhi.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 6, 2022

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1-2015)

The purpose of this standard is to serve as the guide for designers, manufacturers, sellers, installers, owners, users, and governing bodies of dock levelers and to provide guidelines for the design and testing of dock leveling devices; to promote the understanding of the respective responsibilities of manufacturers, sellers, installers, designers, owners, users, and governing bodies associated with dock leveling devices; and to provide a uniform means of comparison for dock leveling devices.

Single copy price: \$50.00

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Send comments (copy psa@ansi.org) to: Same

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH30.2-202X, Design, Testing, and Utilization of Portable Dock Boards and Dock Plates (revision of ANSI/MH30.2-2015)

This standard defines performance and testing requirements for the design, use, and maintenance of portable dock boards and dock plates, collectively known as portable dock leveling devices. The purpose of this standard is to provide a uniform means of comparison, improve user confidence and knowledge, and to define product requirements for portable dock leveling devices.

Single copy price: \$50.00

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MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH30.3-202X, Design, Testing, and Utilization of Vehicle Restraining Devices (revision of ANSI/MH30.3-2015)

This standard defines performance and testing requirements with regard to design, use, and maintenance of vehicle restraining devices. The purpose of this standard is to provide a uniform means of comparison, to improve user confidence and knowledge, and to define requirements for vehicle restraining devices.

Single copy price: \$50.00

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Comment Deadline: June 6, 2022

NEMA (ASC C29) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900, Rosslyn, VA 22209 | pau_orr@nema.org, www.nema.org

New Standard

BSR C29.15-202x, High Density Polyethylene Insulators - Low- and Medium-Voltage Types (new standard)

This standard covers low- and medium-voltage-type insulators made of polyethylene and used in the transmission and distribution of electric energy.

Single copy price: Free

Obtain an electronic copy from: Pau_Orr@nema.org

Order from: Paul Orr; pau_orr@nema.org

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NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

BSR C78.5-2017 (R202x), Electric Lamps - Specifications for Performance of Self-Ballasted Compact Fluorescent Lamps (reaffirmation of ANSI C78.5-2017)

This standard specifies the performance requirements together with the test methods and conditions required to show compliance of self-ballasted compact fluorescent lamps up to 60 watts which are intended for domestic and similar general lighting purposes. Globe and reflector types are excluded. Such lamps shall have a rated input voltage of 120 or 127 volts at 60 Hz and an Edison screw base.

Single copy price: \$50.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

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NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

BSR C78.52-2017 (R202x), Electric Lamps, Light Emitting Diode (LED) Direct Replacement Lamps - Method of Designation (reaffirmation of ANSI C78.52-2017)

This standard describes a system for the designation of LED lamps that are direct replacements for existing ANSI standardized non-LED lamps. Lamps covered in this standard contain LED-based light sources. Direct replacement is defined as LED lamps that shall not require modification of existing equipment.

Single copy price: \$75.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

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NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

BSR C78.377-2017 (R202x), Electric Lamps: Specifications for the Chromaticity of Solid-State Lighting Products (reaffirmation of ANSI C78.377-2017)

The purpose of this standard is to specify the range of chromaticities recommended for general lighting with solid state lighting (SSL) products, as well as to ensure that the white light chromaticities of the products can be communicated to consumers. This standard applies to LED lamps, LED light engines and LED luminaires for general indoor lighting applications. This document does not apply to lighting fixtures sold without a light source. This standard does not apply to SSL products for outdoor applications. This standard also does not apply to SSL products for some indoor applications that intentionally produce tinted or colored light. This document does not include OLED products.

Single copy price: \$115.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

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NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Revision

BSR C78.20-202x, Electric Lamps - A, G, PS, and Similar Shapes with E26 Medium Screw Bases (revision of ANSI C78.20-2003 (R2015))

This standard sets forth physical and electrical characteristics of the group of incandescent lamps that have A, G, PS, and similar bulb shapes with E26 single and double contact medium screw bases including the reduced wattage versions. Only clear, inside frost, frost-equivalent, and white bulb finishes are acknowledged. Excluded from this standard are tungsten-halogen and projection lamps.

Single copy price: \$250.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

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NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Revision

BSR C78.21-202X, Incandescent Lamps: PAR and R Shapes (revision of ANSI C78.21-2011 (R2016))

This standard provides physical and electrical characteristics of the group of incandescent lamps that have PAR and R bulb shapes. Lamps with clear, frosted, and lens end bulbs, with clear and prescription lenses, and with various reflector coatings are covered. Lamps covered in this standard may contain either of two basic types of light sources; an incandescent filament or a tungsten halogen inner bulb. Sunlamps and heat lamps of the R type are included. Lamps with discharge arc tubes are not included.

Single copy price: \$220.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

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NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Revision

BSR C78.43-202x, Electric Lamps - Single-Ended Metal Halide Lamps (revision of ANSI C78.43-2017)

This standard sets forth the physical and electrical requirements for single-ended metal halide lamps operated on 60-Hz ballasts to ensure interchangeability and safety. The data given also provides the basis for the electrical requirements for ballasts and ignitors, as well as the lamp-related requirements for luminaires. This standard includes lamps whose arc tubes are made of quartz or ceramic materials. Luminous flux and lamp color are not part of this standard.

Single copy price: \$220.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

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NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

Revision

BSR NEMA WC 74/ICEA S-93-639-202x, 5-46 kV Shielded Power Cable for Use in the Transmission and Distribution of Electric Energy (revision and redesignation of ANSI/NEMA ICEA S-93-639/WC 74-2017)

This standard applies to materials, constructions, and testing of 5,000-volt to 46,000-volt shielded crosslinked polyethylene, and ethylene propylene rubber insulated wires and cables that are used for the transmission and distribution of electrical energy for normal conditions of installation and service, either indoors, outdoors, aerial, underground, or submarine.

Single copy price: \$295.00

Obtain an electronic copy from: Khaled.Masri@nema.org

Order from: Khaled Masri; Khaled.Masri@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

BSR C82.4-2017 (R202x), Standard for Lamp Ballasts - Ballasts for High-Intensity-Discharge and Low-Pressure Sodium Lamps (Multiple-Supply Type) (reaffirmation of ANSI C82.4-2017)

This standard provides specifications for and operating characteristics of ballasts for mercury, metal-halide, high-pressure sodium (HPS), and low-pressure sodium (LPS) lamps. The ballasts operate from multiple-supply sources of 600 volts maximum at a frequency of 60 hertz. They may be designed for operation under either indoor or outdoor conditions. The following types of ballasts are excluded from this standard: (1) Ballasts consisting of resistance only; (2) Transformers for constant current (series) operation of mercury lamps (see Standard for Mercury Lamp Transformers - Constant Current (Series) Supply Type, ANSI C82.7-1983 (R1988); and (3) All ballasts that use semiconductors to control the lamp power.

Single copy price: \$70.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

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NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

BSR C82.17-2017 (R202x), Lighting Equipment: High Frequency (HF) Electronic Ballasts for Metal Halide Lamps (reaffirmation of ANSI C82.17-2017)

This standard provides specifications for, and operating characteristics of, high-frequency electronic ballasts for metal halide lamps. Electronic ballasts are devices that use semiconductors to control lamp starting and operation. The ballasts operate from multiple supply sources up to 600V maximum at a frequency of 60 hertz. This standard covers electronic ballasts with sinusoidal lamp operating current frequencies above 40 kHz.

Single copy price: \$83.00

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NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

Revision

BSR/NSF/CAN 50-202x (i106r15), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

This Standard covers materials, chemicals, components, products, equipment and systems, related to public and residential recreational water facility operation.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/63188/50i106r15%20-%20JC%20memo%20%26%20ballot.pdf

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Comment Deadline: June 6, 2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Grayson.Flake@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 1637-2017 (R202x), Standard for Safety for Home Health Care Signaling Equipment (reaffirmation of ANSI/UL 1637-2017)

These requirements cover the individual units that comprise a home health care system intended for use in ordinary indoor residential locations. These requirements also cover a complete home health care system in which a signal-initiating device (both routine monitoring and medical emergency signals) may be connected directly or indirectly to receiving equipment at a residence or to continuously monitored receiving equipment at a central supervising station. The system is arranged so that a predetermined change in the status of the signal-initiating circuits or devices automatically causes transmission of a signal over a communication channel to receiving equipment at a residence, to a central supervising station, or to a private telephone number. The components of the home health care system may include signal-initiating devices, control units, transmitters, and digital communicators, all located at the residence, and the receiving, processing, and displaying equipment located at the central supervising station. All field wiring extending to signal-initiating units located at the residence is intended to be energized from power-limited circuits as defined in 5.3(c). The units covered by these requirements are intended to be installed in accordance with the requirements of: (a) The National Electrical Code, NFPA 70; (b) Other applicable installation codes; and (c) The local inspection authority having jurisdiction. Where a unit employs residential fire alarm functions, it shall comply with the Standard for Household for Warning System Units, UL 985. Where a unit employs household burglar alarm functions, it shall comply with the Standard for Household Burglar-Alarm System Units, UL 1023. A unit utilizing non-fire and/or non-carbon monoxide emergency and/or non-emergency signaling functions shall meet the requirements of the Standard for General Purpose Signaling Devices and Systems, UL 2017.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

UL (Underwriters Laboratories)

333 Pflingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, <https://ul.org/>

Revision

BSR/UL 1917-202X, Solid-State Fan Speed Controls (revision of ANSI/UL 1917-2013 (R2017))

This proposal is intended to expand the use of separable terminal assembly construction to also include UL 1917, the Standard for Solid-State Fan Speed Controls. This proposal addresses two forms of a separable terminal assembly constructions installed (i.e., special-purpose connector) into a device box or secured (i.e., back plate) to the device box. These types of terminals are limited to being rated 15 A or 20 A based on the types of branch circuits they are intended for. Lower rated terminals are not allowed to avoid the misuse of a lower rated terminal device (e.g., 5 A) on a higher rated branch circuit (e.g., 15 A or 20 A). These proposed requirements are consistent with both UL 20 and UL 498 requirements.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Comment Deadline: June 6, 2022

VC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Suite 700, Alexandria, VA 22314 | ascz80@thevisioncouncil.org, www.z80asc.com

Revision

BSR Z80.28-202x, Ophthalmics - Methods of Reporting Optical Aberrations of Eyes (revision of ANSI Z80.28-2017)

This standard specifies standardized methods for reporting the optical aberrations of eyes.

Single copy price: \$90.00

Obtain an electronic copy from: <https://www.z80asc.com/> or via email: ascz80@thevisioncouncil.org

Order from: Michele Stolberg; ascz80@thevisioncouncil.org

Send comments (copy psa@ansi.org) to: Same

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

Revision

BSR/VITA 62.0-202x, Modular Power Supply Standard (revision of ANSI/VITA 62-2016)

This standard provides requirements building a power supply module that can be used to power a VPX chassis. The module will fit within the standard envelope defined for VPX modules in the VITA 48.x specifications. This revision updates the standard to better define current configurations and usage and the changes are delineated in the Forward of this standard.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: June 21, 2022

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Revision

BSR/ANS 19.3.4-202x, The Determination of Thermal Energy Deposition Rates in Nuclear Reactors (revision of ANSI/ANS 19.3.4-2002 (R2017))

It is the purpose of this standard to provide criteria for: (1) Determination of the energy allocation among the principal particles and photons produced in fission, both prompt and delayed; (2) Adoption of appropriate treatment of heavy charged particle and electron slowing down in matter; (3) Determination of the spatial energy deposition rates resulting from the interactions of neutrons; (4) Calculation of the spatial energy deposition rates resulting from the various interactions of photons with matter; and (5) Presentation of the results of such computations, including verification of accuracy and specification of uncertainty. This standard addresses the energy generation and deposition rates for all types of nuclear reactors where the neutron reaction rate distribution and photon and beta emitter distributions are known. Its scope is limited to the reactor core, including blanket zones, control elements and core internals, pressure vessel, and the thermal and biological shielding.

Single copy price: \$62.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

Send comments (copy psa@ansi.org) to: pschroeder@ans.org

Comment Deadline: June 21, 2022

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation

BSR/ASME B133.8-2011 (R202x), Gas Turbine Installation Sound Emissions (reaffirmation of ANSI/ASME B133.8-2011)

This Standard provides methods and procedures for specifying the sound emissions of gas turbine installations for industrial, pipeline, and utility applications. Included are guidelines for making field sound measurements and for reporting field data.

Single copy price: \$35.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Donnie Alonzo; dalonzo@asme.org

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME A112.19.5/CSA B45.15-202x, Flush Valves and Spuds for Water Closets, Urinals, and Tanks (revision of ANSI/ASME A112.19.5-2017/CSA B45.15-2017)

This Standard covers spuds and flush valves for water closet bowls, tanks, and urinals.

Single copy price: Free

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Angel Guzman Rodriguez; guzman@asme.org

Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 1280P-202x, Sound Power Rating of Liquid Cooled Chillers (new standard)

Inquiries may be directed to Karl Best; kbest@ahrinet.org

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

180 Technology Parkway, Peachtree Corners, GA 30092 | sleblanc@ashrae.org, www.ashrae.org

BSR/ASHRAE Standard 208-202x, Method of Test for Determining Hydronic System Balance Valve Capacity (new standard)

Inquiries may be directed to Susan LeBlanc; sleblanc@ashrae.org

Project Withdrawn

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

BSR/ASTM D2749-202x, Symbols for Dimensions of Plastic Pipe Fittings (revision of ANSI/ASTM D2749-2013)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

ANSI/ASTM D2749-2013, Symbols for Dimensions of Plastic Pipe Fittings

Questions may be directed to: Corice Leonard; accreditation@astm.org

Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | jbrooks@amca.org, www.amca.org

Revision

ANSI/AMCA Standard 550-2022, Test Method for High Velocity Wind Driven Rain Resistant Louvers (revision of ANSI/AMCA 550-2018) Final Action Date: 4/13/2022

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | walsh@asabe.org, https://www.asabe.org/

Revision

ANSI/ASABE S620.1 MONYEAR-2022, Safety for Anhydrous Ammonia Application Equipment (revision and redesignation of ANSI/ASABE S620-MAR2017) Final Action Date: 4/12/2022

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

ANSI/ASME B16.10-2022, Face-to-Face and End-to-End Dimensions of Valves (revision of ANSI/ASME B16.10-2017) Final Action Date: 4/15/2022

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

Revision

ANSI/ASSP A10.24-2022, Roofing Safety Requirements for Low-Sloped Roofs (revision and redesignation of ANSI/ASSE A10.24-2014) Final Action Date: 4/12/2022

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

Revision

ANSI/AWWA B114-2022, Reverse Osmosis and Nanofiltration Systems for Water Treatment (revision of ANSI/AWWA B114-2015) Final Action Date: 4/14/2022

Revision

ANSI/AWWA B200-2022, Sodium Chloride (revision of ANSI/AWWA B200-2017) Final Action Date: 4/14/2022

Revision

ANSI/AWWA G300-2022, Source Water Protection (revision of ANSI/AWWA G300-2014) Final Action Date: 4/12/2022

CPA (Composite Panel Association)

19465 Deerfield Avenue, Suite 306, Leesburg, VA 20176 | gheroux@cpamail.org, www.CompositePanel.org

Revision

ANSI A208.2-2022, Medium Density Fiberboard (MDF) for Interior Applications (revision of ANSI A208.2-2016) Final Action Date: 4/14/2022

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org;

New Standard

ANSI/IAPMO Z124.10-2022, Water Closets and Urinal Partitions (new standard) Final Action Date: 4/13/2022

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

ANSI C78.40-2016 (R2022), Electric Lamps: Specifications for Mercury Lamps (reaffirmation of ANSI C78.40-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C78.41-2016 (R2022), Electric Lamps: Guidelines for Low-Pressure Sodium Lamps (reaffirmation of ANSI C78.41-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C78.44-2016 (R2022), Electric Lamps: Double-Ended Metal Halide Lamps (reaffirmation of ANSI C78.44-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C78.45-2016 (R2022), Electric Lamps: Self-Ballasted Mercury Lamps (reaffirmation of ANSI C78.45-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C78.50-2016 (R2022), Electric Lamps - Assigned LED Lamp Codes (reaffirmation of ANSI C78.50-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C78.51-2016 (R2022), Electric Lamps - LED (Light Emitting Diode) Lamps - Method of Designation (reaffirmation of ANSI C78.51-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C78.81-2016 (R2022), Electric Lamps - Double-Capped Fluorescent Lamps - Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.81-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C78.901-2016 (R2022), Electric Lamps - Single-Based Fluorescent Lamps - Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.901-2016) Final Action Date: 4/12/2022

Stabilized Maintenance

ANSI C78.42-2009 (S2022), Electric Lamps - High-Pressure Sodium Lamps (stabilized maintenance of ANSI C78.42-2009 (R2016)) Final Action Date: 4/12/2022

Stabilized Maintenance

ANSI C78.180-2003 (S2022), Electric Lamps - Specifications for Fluorescent Lamp Starters (stabilized maintenance of ANSI C78.180-2003 (R2016)) Final Action Date: 4/12/2022

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Stabilized Maintenance

ANSI C78.391-2004 (S2022), Electric Lamps - Characteristics of Subminiature Lamps of T1 and T1-3/4 Shapes (stabilized maintenance of ANSI C78.391-2004 (R2016)) Final Action Date: 4/12/2022

Stabilized Maintenance

ANSI C78.682-1997 (S2022), Electric Lamps - Standard Method of Measuring the Pinch Temperature of Quartz Tungsten-Halogen Lamps (stabilized maintenance of ANSI C78.682-1997 (R2016)) Final Action Date: 4/12/2022

Stabilized Maintenance

ANSI C78.1401-2004 (S2022), Electric Lamps - Dimensions for Projection Lamps - Double-Contact, Medium Ring (Special B), Base-Up Type (stabilized maintenance of ANSI C78.1401-2004 (R2016)) Final Action Date: 4/12/2022

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

Revision

ANSI NEMA WC 75-2022, Standard for Controlled Impedance in Internal Electrical Cable (revision of ANSI/NEMA WC 75-2015) Final Action Date: 4/15/2022

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

ANSI C82.3-2016 (R2022), Standard for Electric Lamps - Reference Ballasts for Fluorescent Lamps (reaffirmation of ANSI C82.3-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C82.5-2016 (R2022), Lamp Ballasts - High-Intensity Discharge and Low-Pressure Sodium Lamps (reaffirmation of ANSI C82.5-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C82.9-2016 (R2022), Lamp Ballasts - High-Intensity Discharge and Low-Pressure Sodium Lamps - Definitions (reaffirmation of ANSI C82.9-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI C82.14-2016 (R2022), Lamp Ballasts - Low-Frequency Square Wave Electronic Ballasts - for Metal Halide Lamps (reaffirmation of ANSI C82.14-2016) Final Action Date: 4/12/2022

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

New Standard

ANSI/NFPA 715-2023, Standard for the Installation of Fuel Gases Detection and Warning Equipment (new standard) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 30B-2023, Code for the Manufacture and Storage of Aerosol Products (revision of ANSI/NFPA 30B-2019) Final Action Date: 4/9/2022

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

ANSI/NFPA 51-2023, Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes (revision of ANSI/NFPA 51-2017) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 52-2023, Vehicular Natural Gas Fuel Systems Code (revision of ANSI/NFPA 52-2019) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 88A-2023, Standard for Parking Structures (revision of ANSI/NFPA 88A-2019) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 301-2023, Code for Safety to Life from Fire on Merchant Vessels (revision of ANSI/NFPA 301-2018) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 557-2023, Standard for Determination of Fire Loads for Use in Structural Fire Protection Design (revision of ANSI/NFPA 557-2020) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 750-2023, Standard on Water Mist Fire Protection Systems (revision of ANSI/NFPA 750-2019) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 780-2023, Standard for the Installation of Lightning Protection Systems (revision of ANSI/NFPA 780-2020) Final Action Date: 4/9/2022

Revision

ANSI/NFPA 1082-2023, Standard for Facilities Fire and Life Safety Director Professional Qualifications (revision of ANSI/NFPA 1082-2020) Final Action Date: 4/9/2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

ANSI/SCTE 24-1-2016 (R2022), IPCablecom 1.0 Part 1: Architecture Framework for the Delivery of Time-Critical Services over Cable Television Networks Using Cable Modems (reaffirmation of ANSI/SCTE 24-1-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-2-2016 (R2022), IPCablecom 1.0 Part 2: Audio Codec Requirements for the Provision of Bi-directional Audio Service over Cable Television Networks Using Cable Modems (reaffirmation of ANSI/SCTE 24-2-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-3-2016 (R2022), IPCablecom 1.0 Part 3: Network Call Signaling Protocol for the Delivery of Time-Critical Services over Cable Television Using Data Modems (reaffirmation of ANSI/SCTE 24-3-2016) Final Action Date: 4/12/2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

ANSI/SCTE 24-4-2016 (R2022), IPCablecom 1.0 Part 4: Dynamic Quality of Service for the Provision of Real-Time Services over Cable Television Networks Using Data Modems (reaffirmation of ANSI/SCTE 24-4-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-5-2016 (R2022), IPCablecom 1.0 Part 5: Media Terminal Adapter (MTA) Device Provisioning Requirements for the Delivery of Real-Time Services over Cable Television Using Cable Modems (reaffirmation of ANSI/SCTE 24-5-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-6-2016 (R2022), IPCablecom 1.0 Part 6: Management Information Base (MIB) Framework (reaffirmation of ANSI/SCTE 24-6-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-7-2016 (R2022), IPCablecom 1.0 Part 7: Media Terminal Adapter (MTA) Management Information Base (MIB) Requirements (reaffirmation of ANSI/SCTE 24-7-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-8-2016 (R2022), IPCablecom 1.0 Part 8: Signaling Management Information Base (MIB) Requirements (reaffirmation of ANSI/SCTE 24-8-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-9-2016 (R2022), IPCablecom 1.0 Part 9: Event Message Requirements (reaffirmation of ANSI/SCTE 24-9-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-10-2016 (R2022), IPCablecom 1.0 Part 10: Security Specification (reaffirmation of ANSI/SCTE 24-10-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-11-2016 (R2022), IPCablecom 1.0 Part 11: Internet Signaling Transport Protocol (ISTP) (reaffirmation of ANSI/SCTE 24-11-2016) Final Action Date: 4/12/2022

Reaffirmation

ANSI/SCTE 24-12-2016 (R2022), IPCablecom 1.0 Part 12: Trunking Gateway Control Protocol (TGCP) (reaffirmation of ANSI/SCTE 24-12-2016) Final Action Date: 4/12/2022

Revision

ANSI/SCTE 92-2022, Specification for 5/8-24 Plug, (Male), Trunk & Distribution Connectors (revision of ANSI/SCTE 92-2017) Final Action Date: 4/12/2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, <https://ul.org/>

Reaffirmation

ANSI/UL 1730-2007 (R2022), Standard for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms (reaffirmation of ANSI/UL 1730-2007 (R2017)) Final Action Date: 4/11/2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Jonette.A.Herman@ul.org, <https://ul.org/>

Reaffirmation

ANSI/UL 60034-2-1-2017 (R2022), Standard for Safety for Rotating Electrical Machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (reaffirmation of ANSI/UL 60034-2-1-2017) Final Action Date: 3/21/2022

Reaffirmation

ANSI/UL 120202-2014 (R2022), Standard for Safety for Recommendations for the Preparation, Content, and Organization of Intrinsic Safety Control Drawings (reaffirmation of ANSI/UL 120202-2014 (R2017)) Final Action Date: 4/11/2022

Revision

ANSI/UL 1241-2022, Standard for Safety for Junction Boxes for Swimming Pool Luminaires (revision of ANSI/UL 1241-2019) Final Action Date: 4/12/2022

Revision

ANSI/UL 1242-2022, Standard for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2020) Final Action Date: 4/18/2022

Revision

ANSI/UL 2225-2022, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations (revision of ANSI/UL 2225-2020) Final Action Date: 4/11/2022

Call for Members (ANS Consensus Bodies)

Directly and materially interested parties who wish to participate as a member of an ANS consensus body for the standards listed are requested to contact the sponsoring developer directly in a timely manner.

ANSI Accredited Standards Developer

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Teleconference - May 16, 2022 from 1 p.m. to 4 p.m. EST

CSA Group will hold the Fuel Cell Technical Committee meeting by teleconference on May 16, 2022 from 1 p.m. to 4 p.m. EST. For more information on the meeting and the agenda, contact Mark Duda at mark.duda@csagroup.org.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than April 6, 2021. Notification shall include any material proposed for presentation to the Technical Committee. For information, please contact Project Manager, Mark Duda at mark.duda@csagroup.org.

Call for Members (ANS Consensus Bodies)

Directly and materially interested parties who wish to participate as a member of an ANS consensus body for the standards listed are requested to contact the sponsoring developer directly in a timely manner.

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities. Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

Call for Members (ANS Consensus Bodies)

AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

BSR/AIAA S-157-202x, On Orbit Servicing (OOS) - Prepared In-Space (Re)Fueling Systems for Storable Propellants (new standard)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-12-4-202x, Wind energy generation systems - Part 12-4: Numerical site calibration for power performance testing of wind turbines (identical national adoption of IEC TR 61400-12-4:2020)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-15-1-202x, Wind energy generation systems - Part 15-1: Site suitability input conditions for wind power plants (identical national adoption of IEC 61400-15-1:2022)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-25-1-202x, Wind energy generation systems - Part 25-1: Communications for monitoring and control of wind power plants - Overall description of principles and models (identical national adoption of IEC 61400-25-1:2017)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-25-2-202x, Wind energy generation systems - Part 25-2: Communications for monitoring and control of wind power plants - Information models (identical national adoption of IEC 61400-25-2:2015)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-25-3-202x, Wind energy generation systems - Part 25-3: Communications for monitoring and control of wind power plants - Information exchange models (identical national adoption of IEC 61400-25-3:2015)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-25-4-202x, Wind energy generation systems - Part 25-4: Communications for monitoring and control of wind power plants - Mapping to communication profile (identical national adoption of IEC 61400-25-4:2016)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-25-5-202x, Wind energy generation systems - Part 25-5: Communications for monitoring and control of wind power plants - Compliance testing (identical national adoption of IEC 61400-25-5:2017)

Call for Members (ANS Consensus Bodies)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-25-6-202x, Wind energy generation systems - Part 25-6: Communications for monitoring and control of wind power plants - Logical node classes and data classes for condition monitoring (identical national adoption of IEC 61400-25-6:2016)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-27-1-202x, Wind energy generation systems - Part 27-1: Electrical simulation models - Generic models (identical national adoption of IEC 61400-27-1:2020)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-27-2-202x, Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation (identical national adoption of IEC 61400-27-2:2020)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-50-3-202x, Wind energy generation systems - Part 50-3: Use of nacelle-mounted lidars for wind measurements (identical national adoption of IEC 61400-50-3:2022)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-25-71-202x, Wind energy generation systems - Part 25-71: Communications for monitoring and control of wind power plants - Configuration description language (identical national adoption of IEC TS 61400-25-71:2019)

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

BSR/ASME B133.8-2011 (R202x), Gas Turbine Installation Sound Emissions (reaffirmation of ANSI/ASME B133.8-2011)

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

BSR/ASSP A10.39-202X, Construction Safety & Health Audit Program (revision and redesignation of ANSI/ASSE A10.39-1996 (R2017))

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

BSR/AWS A5.29/A5.29M-202x, Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding (revision of ANSI/AWS A5.29/A5.29M-2021)

Call for Members (ANS Consensus Bodies)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-15D-202x, Contact Strength Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-15C-2016)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-122-202x, Safety Holes Test Procedure for Electrical Connectors (new standard)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-123-202x, High Temperature Exposure with Contact Loading Test Procedure for Electrical Connectors (new standard)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-12A-2005 (R202x), Restricted Entry Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-12A-2005 (R2017))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-62A-2004 (R202x), Terminal Strength Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-62A-2004 (R2017))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-81A-2005 (R202x), Combustion Characteristics Test Procedure for Electrical Connector Housings, Connector Assemblies and Sockets (reaffirmation of ANSI/EIA 364-81A-2005 (R2017))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-91B-2016 (R202x), Dust Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-91B-2016)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

Call for Members (ANS Consensus Bodies)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1-2015)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR MH30.2-202X, Design, Testing, and Utilization of Portable Dock Boards and Dock Plates (revision of ANSI/MH30.2-2015)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR MH30.3-202X, Design, Testing, and Utilization of Vehicle Restraining Devices (revision of ANSI/MH30.3-2015)

NEMA (ASC C29) (National Electrical Manufacturers Association)

1300 17th St N #900,, Arlington, VA 22209 | Paul.Crampton@nema.org, www.nema.org

BSR C29.8-202x, Wet Process Porcelain Insulators - Apparatus, Cap and Pin Type (revision of ANSI C29.8-2017)

NEMA (ASC C29) (National Electrical Manufacturers Association)

1300 17th St N #900,, Arlington, VA 22209 | Paul.Crampton@nema.org, www.nema.org

BSR C29.9-202x, Wet Process Porcelain Insulators - Apparatus, Post Type (revision of ANSI C29.9-2017)

NEMA (ASC C29) (National Electrical Manufacturers Association)

1300 17th St N #900,, Arlington, VA 22209 | Paul.Crampton@nema.org, www.nema.org

BSR C29.10-202x, Wet Process Porcelain Insulators - Indoor Apparatus Type (revision of ANSI C29.10-2017)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

BSR/NSF 25-202x (i10r6), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

BSR/NSF 49-202x (i143r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

BSR/NSF 245-202x (i25r3), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020)

Call for Members (ANS Consensus Bodies)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

BSR/NSF/CAN 50-202x (i106r15), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Grayson.Flake@ul.org, <https://ul.org/>

BSR/UL 1637-2017 (R202x), Standard for Safety for Home Health Care Signaling Equipment (reaffirmation of ANSI/UL 1637-2017)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

BSR/VITA 62.0-202x, Modular Power Supply Standard (revision of ANSI/VITA 62-2016)

American National Standards (ANS) Announcements

Corrections

IEEE - Institute of Electrical and Electronics Engineers

April 15, 2022 Standards Action BSR/IEEE 367-202x is a PINS

The April 15, 2022 Standards Action mistakenly listed BSR/IEEE 367-202x under call for comment. This should have been listed under the PINS section as follows:

BSR/IEEE 367-202x, *Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault* (new standard)

Scope: This standard provides guidance for the calculation of power station ground potential rise (GPR) and longitudinally induced (LI) voltages and guidance for their appropriate reduction from worst-case values for use in metallic telecommunication protection design. Information is also included for the determination of the following: a) The fault current and the earth return current levels; their probability, waveform, and duration; and the impedance to remote earthing points used in these GPR and LI calculations as well as the effective X/R ratio. b) The zone of influence (ZOI) of the power station GPR. c) The calculation of the inducing currents, the mutual impedance between power and metallic telecommunication facilities, and shield factors. d) The channel time requirements for metallic telecommunication facilities where non-interruptible channels are required for protective relaying.

Project Need: This project, triggered by an industry request for interpretation in Std. 367-2012, is needed to correct certain equations in Clause 5 and associated example calculations in Annex B, plus minor changes as needed in related text for harmonization. The revision also includes minor updates to the text of this standard for modernization and for compliance with the latest IEEE-SA Style Manual requirements.

Stakeholders: Stakeholders for this standard include communications service providers, electrical power providers, and any other providers of communications services that are transported by wire-line (metallic) facilities. Manufacturers of equipment that may be utilized to mitigate the effects of facility anomalies, undesired voltages, or interference that may be induced on communication circuits are also included.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Please direct inquiries to: Lisa Weisser; l.weisser@ieee.org

Corrections

NAPSA - North American Power Sweeping Association

ANSI/NAPSA PSS2018-2018 designation should be ANSI/NAPSA PSS1000-2018

The Final Action approval that appeared in Standards Action 12/21/2018 for ANSI/NAPSA PSS2018-2018 should have been designated as ANSI/NAPSA PSS1000-2018. Please direct inquiries to: Nancy Terry; info@powersweeping.org

American National Standards (ANS) Process

Please visit ANSI's website (www.ansi.org) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website (www.ansi.org)

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): <https://ibr.ansi.org/>
- ANSI - Education and Training: www.standardslearn.org

American National Standards Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

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- AAMI (Association for the Advancement of Medical Instrumentation)
 - AARST (American Association of Radon Scientists and Technologists)
 - AGA (American Gas Association)
 - AGSC (Auto Glass Safety Council)
 - ASC X9 (Accredited Standards Committee X9, Incorporated)
 - ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
 - ASME (American Society of Mechanical Engineers)
 - ASTM (ASTM International)
 - GBI (Green Building Initiative)
 - HL7 (Health Level Seven)
 - Home Innovation (Home Innovation Research Labs)
 - IES (Illuminating Engineering Society)
 - ITI (InterNational Committee for Information Technology Standards)
 - MHI (Material Handling Industry)
 - NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
 - NCPDP (National Council for Prescription Drug Programs)
 - NEMA (National Electrical Manufacturers Association)
 - NFRC (National Fenestration Rating Council)
 - NISO (National Information Standards Organization)
 - NSF (NSF International)
 - PRCA (Professional Ropes Course Association)
 - RESNET (Residential Energy Services Network, Inc.)
 - SAE (SAE International)
 - TCNA (Tile Council of North America)
 - TIA (Telecommunications Industry Association)
 - UL (Underwriters Laboratories)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.

ANSI-Accredited Standards Developers (ASD) Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to the PSA Department at psa@ansi.org.

AAFS

American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
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AIAA

American Institute of Aeronautics and
Astronautics
12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191
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AMCA

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ANS

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ARESCA

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ASABE

American Society of Agricultural and
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ASHRAE

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ASME

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ASSP (Safety)

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AWS

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AWWA

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ECIA

Electronic Components Industry
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IAPMO (Z)

International Association of Plumbing &
Mechanical Officials
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Mokena, IL 60448
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ANSI-Accredited Standards Developers Contact Information

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<p>MHI Material Handling Industry 8720 Red Oak Boulevard, Suite 201 Charlotte, NC 28217 www.mhi.org Patrick Davison pdavison@mhi.org</p>	<p>NENA National Emergency Number Association 1700 Diagonal Road, Suite 500 Alexandria, VA 22314 www.nena.org Delaine Arnold darnold@nena.org</p>	<p>Jonette Herman Jonette.A.Herman@ul.org Joshua Johnson Joshua.Johnson@ul.org Julio Morales Julio.Morales@UL.org</p>
<p>NEMA (ASC C29) National Electrical Manufacturers Association 13 North 17th Street, Suite 900 Rosslyn, VA 22209 www.nema.org Paul Orr pau_orr@nema.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02169 www.nfpa.org Dawn Michele Bellis dbellis@nfpa.org</p>	<p>Vickie Hinton Vickie.T.Hinton@ul.org</p> <p>UL Underwriters Laboratories 333 Pvingsten Road Northbrook, IL 60062 https://ul.org/ Alan McGrath alan.t.mcgrath@ul.org</p>
<p>NEMA (ASC C29) National Electrical Manufacturers Association 1300 17th St N #900, Arlington, VA 22209 www.nema.org Paul Crampton Paul.Crampton@nema.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02269 www.nfpa.org Patrick Foley PFoley@nfpa.org</p>	<p>UL Underwriters Laboratories 47173 Benicia Street Fremont, CA 94538 https://ul.org/ Derrick Martin Derrick.L.Martin@ul.org</p>
<p>NEMA (ASC C78) National Electrical Manufacturers Association 1300 N 17th St Rosslyn, VA 22209 www.nema.org Michael Erbesfeld Michael.Erbesfeld@nema.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105 www.nsf.org Allan Rose arose@nsf.org Jason Snider jsnider@nsf.org</p>	<p>VC (ASC Z80) The Vision Council 225 Reinekers Lane, Suite 700 Alexandria, VA 22314 www.z80asc.com Michele Stolberg ascz80@thevisioncouncil.org</p>
<p>NEMA (ASC C8) National Electrical Manufacturers Association 1300 North 17th Street, Suite 900 Arlington, VA 22209 www.nema.org Khaled Masri Khaled.Masri@nema.org</p>	<p>SCTE Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 www.scte.org Kim Cooney kcooney@scte.org</p>	<p>VITA VMEbus International Trade Association (VITA) 929 W. Portobello Avenue Mesa, AZ 85210 www.vita.com Jing Kwok jing.kwok@vita.com</p>

ISO & IEC Draft International Standards



This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) are considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO and IEC members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ISO Standards

Water re-use (TC 282)

ISO/DIS 4789, Guidelines for wastewater treatment and reuse in thermal power plants - 7/1/2022, \$93.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 22123-2, Information technology - Cloud computing - Part 2: Concepts - 7/1/2022, \$134.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/693/CD, IEC 61810-7-1 ED1: All-or-nothing electrical relays - Tests and Measurements Part 7-1: Visual inspection and check of dimensions, 06/10/2022

94/687/CD, IEC 61810-7-12 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-12: Internal Moisture, 06/10/2022

94/691/CD, IEC 61810-7-13 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-13: Corrosive atmospheres - Polluted atmospheres, 06/10/2022

94/692/CD, IEC 61810-7-30 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-30: Contact sticking (delayed release), 06/10/2022

94/690/CD, IEC 61810-7-44 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-44: Corrosive atmosphere - Salt mist, 06/10/2022

94/689/CD, IEC 61810-7-46 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-46: Impulse voltage test, 06/10/2022

94/688/CD, IEC 61810-7-49 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-49: Long term stability of sealing, 06/10/2022

94/670(F)/FDIS, IEC 62314 ED2: Solid-state relays, 04/29/2022

Audio, video and multimedia systems and equipment (TC 100)

100/3758/FDIS, IEC 62394 ED4: Service diagnostic interface for consumer electronics products and networks - Implementation for ECHONET, 05/27/2022

Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)

46/890/FDIS, IEC 60966-2-8 ED1: Radio frequency and coaxial cable assemblies - Part 2-8: Detail specification for cable assemblies for radio and TV receivers - Frequency range up to 3000 MHz, Screening class A++, IEC 61169-47 connectors, 05/27/2022

46F/618(F)/FDIS, IEC 61169-71 ED1: Radio-frequency connectors-Part 71: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 5,0 mm - Characteristic impedance 50 Ohms (type NEX10), 05/06/2022

Electric road vehicles and electric industrial trucks (TC 69)

69/837/FDIS, IEC 63110-1 ED1: Protocol for management of electric vehicles charging and discharging infrastructures - Part 1: Basic definitions, use cases and architectures, 05/27/2022

Electrical equipment in medical practice (TC 62)

62D/1944/CDV, IEC 60601-2-2/AMD1 ED6: Amendment 1 - Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories, 07/08/2022

62B/1277/FDIS, IEC 60601-2-33 ED4: Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis, 05/27/2022

Electromagnetic compatibility (TC 77)

77B/856/CDV, IEC 61000-4-6 ED5: Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields, 07/08/2022

Electromechanical components and mechanical structures for electronic equipments (TC 48)

48B/2962/CD, IEC 61076-2 ED3: Connectors for electronic equipment - Product requirements - Part 2: Sectional specification for circular connectors, 07/08/2022

Fibre optics (TC 86)

86A/2193/CD, IEC TR 63442 ED1: Guidelines for the assessment of rodent resistance for optical fibre cable, 07/08/2022

Flat Panel Display Devices (TC 110)

110/1426/DTR, IEC TR 62715-6-21 ED1: Flexible display devices - Part 6-21: Foldable durability test for foldable display set, 06/10/2022

Industrial-process measurement and control (TC 65)

65B/1218(F)/FDIS, IEC 61131-9 ED2: Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI), 04/29/2022

65C/1163(F)/FDIS, IEC 62657-2 ED3: Industrial communication networks - Coexistence of wireless systems - Part 2: Coexistence management, 04/29/2022

65/928/CD, ISO 20140-5 ED2: Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 5: Environmental performance evaluation data, 06/10/2022

Nanotechnology standardization for electrical and electronic products and systems (TC 113)

113/658/CD, IEC 62565-3-1 ED1: Nanomanufacturing - Material specifications - Part 3-1: Graphene - Blank detail specification, 07/08/2022

Power system control and associated communications (TC 57)

57/2490/CD, IEC 61850-7-3/AMD2 ED2: Amendment 2 - Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes, 06/10/2022

Rotating machinery (TC 2)

2/2101/NP, PNW TS 2-2101 ED1: Guidelines for condition-based evaluation and maintenance of cylindrical-rotor synchronous generators, 07/08/2022

Safety of household and similar electrical appliances (TC 61)

61D/491(F)/FDIS, IEC 60335-2-40 ED7: Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers, 04/29/2022

Secondary cells and batteries (TC 21)

21A/794/CD, IEC 63338 ED1: General guidance for reuse of secondary cells and batteries, 07/08/2022

Solar photovoltaic energy systems (TC 82)

82/2029(F)/FDIS, IEC 62759-1 ED2: Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units, 05/06/2022

Surface mounting technology (TC 91)

91/1786/CD, IEC 61189-2-720 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-720: Detection of defects in interconnection structures by measurement of capacitance, 07/08/2022

Surge arresters (TC 37)

37A/369A/CD, IEC 61643-21 ED2: Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Performance requirements and testing methods, 07/01/2022

Switchgear and controlgear (TC 17)

17A/1348/CD, IEC TS 62271-315 ED1: High-voltage switchgear and controlgear - Part 315: Direct current (DC) transfer switches, 07/08/2022

17A/1349/CD, IEC TS 62271-319 ED1: Alternating current circuit-breakers intended for controlled switching, 07/08/2022

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121A/489/CD, IEC 60947-10 ED1: Low-voltage switchgear and controlgear - Part 10: Semiconductor Circuit-Breakers, 08/05/2022

121A/494/CD, IEC 60947-5-3 ED3: Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDB), 07/08/2022

Terminology (TC 1)

1/2496/CDV, IEC 60050-831 ED1: International Electrotechnical
Vocabulary (IEV) - Part 831: Smart city systems, 07/08/2022



Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

Air quality (TC 146)

ISO 23320:2022, Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using diffusive samplers, \$200.00

Aircraft and space vehicles (TC 20)

ISO 23835:2022, Space Systems - Mechanism design and verification, \$175.00

Banking and related financial services (TC 68)

ISO 9362:2022, Banking - Banking telecommunication messages - Business identifier code (BIC), \$48.00

ISO 3531-1:2022, Financial services - Financial information eXchange session layer - Part 1: FIX tagvalue encoding, \$111.00

ISO 3531-2:2022, Financial services - Financial information eXchange session layer - Part 2: FIX session layer, \$225.00

ISO 3531-3:2022, Financial services - Financial information eXchange session layer - Part 3: FIX session layer test cases, \$111.00

Cryogenic vessels (TC 220)

ISO 20421-1:2019/Amd 1:2022, Cryogenic vessels - Large transportable vacuum-insulated vessels - Part 1: Design, fabrication, inspection and testing - Amendment 1, \$20.00

Industrial automation systems and integration (TC 184)

ISO 8000-1:2022, Data quality - Part 1: Overview, \$149.00

Light metals and their alloys (TC 79)

ISO 23515:2022, Titanium and titanium alloys - Designation system, \$73.00

Microbeam analysis (TC 202)

ISO 23749:2022, Microbeam analysis - Electron backscatter diffraction - Quantitative determination of austenite in steel, \$111.00

Plain bearings (TC 123)

ISO 22507:2022, Plain bearings - Fluid film bearing materials for vehicular turbocharger, \$73.00

Road vehicles (TC 22)

ISO 11010-1:2022, Passenger cars - Simulation model classification - Part 1: Vehicle dynamics, \$175.00

Rubber and rubber products (TC 45)

ISO 6101-3:2022, Rubber - Determination of metal content by atomic absorption spectrometry - Part 3: Determination of copper content, \$73.00

ISO 6101-4:2022, Rubber - Determination of metal content by atomic absorption spectrometry - Part 4: Determination of manganese content, \$111.00

Ships and marine technology (TC 8)

ISO 7547:2022, Ships and marine technology - Air-conditioning and ventilation of accommodation spaces and other enclosed compartments on board ships - Design conditions and basis of calculations, \$149.00

Small craft (TC 188)

ISO 8848:2022, Small craft - Remote mechanical steering systems, \$149.00

ISO Technical Reports

Geosynthetics (TC 221)

ISO/TR 18228-9:2022, Design using geosynthetics - Part 9: Barriers, \$111.00

Lifts, escalators, passenger conveyors (TC 178)

ISO/TR 14799-1:2022, Comparison of worldwide escalator and moving walk safety standards - Part 1: Clause by clause comparison, \$250.00

ISO Technical Specifications

Clinical laboratory testing and in vitro diagnostic test systems (TC 212)

ISO/TS 5798:2022, In vitro diagnostic test systems - Requirements and recommendations for detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) by nucleic acid amplification methods, \$200.00

Environmental management (TC 207)

ISO/TS 14029:2022, Environmental statements and programmes for products - Mutual recognition of environmental product declarations (EPDs) and footprint communication programmes, \$149.00

Plastics (TC 61)

ISO/TS 28660:2022, Plastics - Determination of J-R curves - Fracture toughness, \$149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23634:2022, Information technology - Automatic identification and data capture techniques - JAB Code polychrome bar code symbology specification, \$225.00

ISO/IEC 18033-7:2022, Information security - Encryption algorithms - Part 7: Tweakable block ciphers, \$111.00

ISO/IEC 23091-3:2018/Amd 1:2022, - Amendment 1: Information technology - Coding-independent code points - Part 3: Audio - Amendment 1: Headphone support, \$20.00

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC CIS/A - Radio-Interference Measurements and Statistical Methods

Deadline April 29, 2022

NEMA is relinquishing its role as the USNC TAG Administrator for the USNC TAG to IEC/TC 77 SC77A SC77B SC77C CISPR CIS/A CIS/B CIS/F CIS/H and CIS/I by September 1, 2022. The USNC is looking for a new organization(s) to take on this USNC TAG Administratorship(s). Please note that according to the rules and procedures of the USNC, a USNC TAG cannot exist without a USNC TAG Administrator. If we cannot find a new USNC TAG Administrator, the USNC will have to withdraw from international participation and register with the IEC as a Non-Member of this Committee.

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC CIS/A, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: CIS/A - Radio-Interference Measurements and Statistical Methods

Standardization of:

- a) measuring instruments, ancillary apparatus and test sites;
- b) measuring methods common to several applications;

NOTE The method of connection, arrangement and use of equipment for the measurement of a particular source of disturbance is primarily the responsibility of the subcommittee dealing with that source, but liaison is maintained with Subcommittee A to achieve the maximum coordination.

- c) treatment of uncertainties in CISPR compliance tests
- d) sampling methods used in statistical interpretation of disturbance measurement results and used in correlating the measurement of disturbance with its effect on signal reception; for publication in CISPR basic EMC standards and related technical reports. Evaluation of proposals for methods of measurement developed by other CISPR subcommittees, and consideration of those proposals for publication in CISPR basic or product standards.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC CIS/B - Interference relating to industrial scientific, and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electrical traction

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC CIS/B, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: CIS/B - Interference relating to industrial scientific, and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electrical traction

Standardization in the field of limits and particular methods of measurement for control of radio frequency disturbances from industrial, scientific and medical electrical equipment also including particular industrial, scientific and medical ISM RF equipment as defined in the ITU Radio Regulations. The scope of activities in CISPR SC B comprises, but is not limited to the following typical types of products:

General purpose applications

- Laboratory equipment
- Medical electrical equipment
- Scientific equipment
- Semiconductor-converters
- Industrial electroheating equipment with operating frequencies less than or equal to 9 kHz
- Machine tools
- Industrial process measurement and control equipment
- Semiconductor manufacturing equipment

ISM RF applications

- Microwave-powered UV irradiating apparatus
- Microwave lighting apparatus
- Industrial induction heating equipment operating at frequencies above 9 kHz
- Induction cookers
- Dielectric heating equipment
- Industrial microwave heating equipment
- Microwave ovens
- Medical electrical equipment
- Electric welding equipment
- Electro-discharge machining (EDM) equipment
- Demonstration models for education and training

Standardization in the field of limits and measuring methods for evaluation of radio frequency disturbances from high-voltage overhead power lines inclusive electric traction of railways and urban transport, and from high voltage alternate current (AC) substations and direct current (DC) converter stations.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC CIS/F - Interference relating to household appliance tools, lighting equipment and similar apparatus

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC CIS/F, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: CIS/F - Interference relating to household appliance tools, lighting equipment and similar apparatus Standardization in the field of limits and particular methods of measurement for control of radio frequency disturbances from (and immunity* of) electric motor operated and thermal appliances for household and similar purposes, electrical tools, lighting equipment, low power semiconductor control devices and similar apparatus.

The scope of activities in CISPR SC F comprises, but is not limited to the following typical types of products:

- Kitchen Appliances
- cooking appliances
- dishwashers
- refrigerators
- coffee makers
- Other Domestic Appliances
- washing machines and dryers
- cloths irons
- vacuum cleaners
- air conditioning systems
- Electric and Electronic Toys
- motorised toys
- electrically powered educational toys
- electronic games and gaming consoles
- Electrically operated power tools
- drills, impact drills
- screwdrivers
- thread cutting machines
- Lighting and similar equipment
- luminaires using e.g. fluorescent lamps or LEDs
- street lighting
- neon signs
- independent ballasts, transformer & convertor etc.

Standardization for equipment covered by the scope of other subcommittees of CISPR is excluded from the scope of CISPR SC F for example lasers and microwave cooking appliances.

* The responsible standardization committee is IEC TC 34 for lighting equipment.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC CIS/H - Limits for the protection of radio services

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC CIS/H, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: CIS/H - Limits for the protection of radio services

Standardization in the field of identification of generic-type limits and methods of measurement for the assessment and control of radio frequency disturbances from any kind of electrical or electronic appliance intended for operation and use in a given electromagnetic environment, and incorporation of these requirements in the respective CISPR Generic Emission Standards.

Standardization in the field of CISPR coupling and disturbance models for determination of emission limits for the protection of radio services taking into account the needs of Product Committees.

Maintenance for the database for the characteristics of radio services.

Evaluation of proposals for limits for control of radio frequency disturbances developed by subcommittees of CISPR and review for their inclusion in CISPR Product Standards.

USNC TAG Administrator - Organization Needed

USNC TAG to IEC CIS/I - Electromagnetic compatibility of information technology equipment, multi-media equipment and receivers

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC CIS/I, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: CIS/I - Electromagnetic compatibility of information technology equipment, multi-media equipment and receivers

Standardization in the field of EMC to establish limits and particular methods of measurement for the control of radio frequency disturbances from immunity of Multimedia Equipment including Information Technology Equipment, Radio and TV Broadcast Receivers and Associated Equipment.

The radio transmission aspects of MME transceivers and transmitters are excluded from the work of CISPR/I and are activities handled by other international standards organizations such as ITU-R.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC CISPR - International Special Committee on Radio Interference

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC CISPR, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: CISPR - International Special Committee on Radio Interference

Standardization in the field of electromagnetic compatibility (EMC) including:

- 1) Protection of radio reception in the range 9 kHz to 400 GHz from interference caused by operation of electrical or electronic appliances and systems in the electromagnetic environment.
- 2) Measurement instrumentation, facilities, methods and statistical analysis for the measurement of disturbance.
- 3) Limits for radio disturbances caused by electrical or electronic appliances and systems.
- 4) Requirements for the immunity of electrical appliances, multimedia equipment, information technology equipment and sound and television broadcast receiving installations from interference.
- 5) Liaison with IEC Technical Committees that maintain basic standards that apply the prescriptions of methods of measurement of such immunity. Test levels for such immunity tests will be set by CISPR in relevant product standards.
- 6) The consideration jointly with other IEC and ISO committees of the emission and immunity requirements for devices and products where their standards cover EMC requirements which do not match to the respective requirements in CISPR standards.
- 7) Taking into account the impact of safety issues on disturbance suppression and immunity of electrical equipment. For further information about CISPR standards see the CISPR Guide.

I-MEMBERS

CISPR's member constituency includes more than national committees. I-members are shown here as CISPR is a special committee, unique in this aspect. I-members are shown on CISPR dashboard under the liaisons tab. Currently the following organisations are I-members of CISPR:

- CIGRE (International Council on Large Electric Systems)
- EBU (European Broadcasting Union)
- ECMA International
- ETSI (European Telecommunications Standards Institute)
- IARU (International Amateur Radio Union)
- ITU-R (International Telecommunication Union - Radio-communication Sector)
- ITU-T (International Telecommunication Union - Telecommunication Standardization Sector)

CISPR rules are covered in Annex SM of the ISO/IEC Directives Part 1.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC SC 77A - EMC – Low frequency phenomena

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC/TC SC77A, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: SC 77A - EMC – Low frequency phenomena

Standardization in the field of electromagnetic compatibility with regard to low frequency phenomena (ca <= 9 kHz, see note).

Note: This limit frequency can be adapted to a higher frequency according to the phenomena or equipment

USNC TAG Administrator - Organization Needed

USNC TAG to IEC SC 77B - High frequency phenomena

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC/TC SC77B, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: SC 77B - High frequency phenomena

Standardization in the field of electromagnetic compatibility with regard to high frequency continuous and transient phenomena (ca > 9 kHz, see Note).

Note: This limit frequency can be adapted toward a lower or higher frequency according to the phenomena or equipment.

USNC TAG Administrator - Organization Needed

USNC TAG to IEC SC 77C - High power transient phenomena

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC/TC SC77C, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: SC 77C - High power transient phenomena

Standardization in the field of electromagnetic compatibility to protect equipment, systems and installations from intense but infrequent high power transient phenomena including: the electromagnetic fields produced by nuclear detonations at high altitude (High Altitude Electromagnetic Pulse (HEMP)); sources of Intentional Electromagnetic Interference (EMI); and Geomagnetically Induced Currents (GIC) from solar activity.

Lightning and other transient phenomena are excluded from the scope of SC 77C.

International Electrotechnical Commission (IEC)

USNC TAG Administrator - Organization Needed

USNC TAG to IEC TC 77 - Electromagnetic compatibility

Deadline April 29, 2022

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC/TC 77, they are invited to contact Betty Barro at bbarro@ansi.org by April 29th, 2022.

Scope: TC 77 - Electromagnetic compatibility

Standardization

- to prepare standards and technical reports
- in the field of electromagnetic compatibility (EMC), with particular emphasis on general application and use by product committees. (Horizontal function).

The scope covers the following aspects of EMC:

- Immunity and related items, over the whole frequency range: basic and generic standards,
- emission in the low frequency range ($f \leq 9$ kHz, e.g. harmonics and voltage fluctuations): basic, generic and product (family) standards,
- emission in the high frequency range ($f > 9$ kHz): disturbances not covered by CISPR 10 (1992), in co-ordination with CISPR (e.g. mains signalling).

Product immunity standards are not included. However, at the request of product committees, TC 77 may also prepare such standards under the co-ordination of ACEC.

Horizontal Safety Function: Electromagnetic compatibility in so far as safety aspects are involved.

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

TC 283, Occupational health and safety management

Virtual Meeting Time: May 23, 2022 @ 1:00 p.m. Central time

The American Society of Safety Professionals (ASSP) serves as the administrator of the Technical Advisory Group [TAG] to ANSI for the ISO TC-283 Technical Committee for Occupational Health and Safety Management Systems, [OHSMS]. The next meeting of the TAG will be held virtually on May 23, 2022. The meeting will start at approximately 1:00 p.m. central time and go to conclusion. If you are interested in attending this virtual meeting, please contact Tim Fisher at ASSP at TFisher@ASSP.Org

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. To register for Notify U.S., please visit: <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at: <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point> Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.



**BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 147-2019**

Public Review Draft

**Proposed Addendum c to
Standard 147-2019, Reducing the Release
of Halogenated Refrigerants from
Refrigerating and Air-Conditioning
Equipment and Systems**

**First Public Review (April 2022)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research-technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 147-2019, *Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems*
First Public Review Draft

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum makes additions to Section 3 Definitions, 7.2 Field Leak Testing, 7.3 Field Evacuation, and A5.3 Leak Testing. Changes redefine Deep Vacuum and the procedures for leak and vacuum testing. With the increasing availability of A2L refrigerants, these changes are necessary to harmonize with ASHRAE Std-15, UL 60335-2-40.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum c to Standard 147-2019

Revise Section 3 Definitions as shown below.

vacuum, deep (high vacuum): a vacuum of 500 $\mu\text{m Hg}$ (65 Pa) or less of absolute pressure.

Revise Sections 7.2 through 7.5 as shown below.

7.2 Field Leak Testing. Equipment Types 6, 8, 9, and 10 shall be leak tested as an Equipment Type 8 per Section 6.2.1 to ensure system integrity and minimize refrigerant leakage.

Informative Note: ~~See Informative Appendix A, Section A5.3, for recommended procedures.~~

Once the system is erected, separate tests for isolated portions of the system are permitted provided that all required portions are tested at least once. A passing pressure test shall not rupture or damage any components rated greater than the test pressure. If necessary, pressure relief devices may be removed and plugged for the duration of the test. Corrections of the pressure differential due to change in ambient temperature shall be permitted. If a leak is indicated, repair and repeat tests until pass. Leak detection and dehydration for equipment types 8, 9, and 10 shall require steps a, b, and c. Leak detection and dehydration for equipment type 6 shall only require a and c:

- a. With the system under dry nitrogen pressure equal to the design pressure as detailed on the equipment nameplate, or the lowest value of the set pressure for any pressure relief devices in the system, but not exceeding 500 psi. Once the system reaches equilibrium, hold pressure for durations as per Table 7-1, apply soap solution to all likely leak locations and observe; bubble formation indicates a likely large leak.

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 147-2019, *Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems*
First Public Review Draft

- b. The test pressure shall not decay more than 5 psi in the time period as specified in Table 7-1 accounting for temperature change. With a trace halocarbon gas mixed with nitrogen at pressure as indicated in step a, check probable leak locations with an electronic halogen leak detector.
- c. After removing pressurization gas, perform a triple evacuation with nitrogen purges in between. Draw first vacuum to 1500 $\mu\text{m Hg}$ (195 Pa), then purge with nitrogen. Draw second vacuum to 1000 $\mu\text{m Hg}$ (130 Pa), then purge with nitrogen. Draw third *deep vacuum* 500 $\mu\text{m Hg}$ (65 Pa). Valve off the system from the vacuum pump and ensure that the vacuum gauge is measuring system vacuum. The gauge shall hold per Table 7-1. Monitor the system to determine if it holds the vacuum, thus indicating acceptable dehydration. A successful test shall not rise above 1500 microns in the time as indicated in Table 7-1.

Table 7-1 Duration of Pressure and Leak Test

Leak Test	Pipe Length, L		Maximum Nominal Pipe Size		Minimum Period of Test (hr)
	(ft)	(m)	NPS (in)	DN (mm)	
Pressure Test	<u>L\leq100</u>	<u>L\leq30</u>	<u>NPS$\leq$$\frac{3}{4}$</u>	<u>DN\leq20</u>	<u>0.25</u>
			<u>$\frac{3}{4}$<NPS\leq3</u>	<u>20<DN\leq75</u>	<u>1.0</u>
			<u>3<NPS</u>	<u>75<DN</u>	<u>24</u>
	<u>100<L\leq200</u>	<u>30<L\leq61</u>	<u>NPS\leq3</u>	<u>DN\leq75</u>	<u>1.0</u>
			<u>3<NPS</u>	<u>75<DN</u>	<u>24</u>
			<u>Any</u>	<u>Any</u>	<u>24</u>
Vacuum Test	<u>L\leq100</u>	<u>L\leq30</u>	<u>NPS$\leq$$\frac{3}{4}$</u>	<u>DN\leq20</u>	<u>1.0</u>
			<u>$\frac{3}{4}$<NPS\leq3</u>	<u>20<DN\leq75</u>	<u>8.0</u>
			<u>3<NPS</u>	<u>75<DN</u>	<u>24</u>
	<u>100<L\leq200</u>	<u>30<L\leq61</u>	<u>NPS\leq3</u>	<u>DN\leq75</u>	<u>8.0</u>
			<u>3<NPS</u>	<u>75<DN</u>	<u>24</u>
			<u>Any</u>	<u>Any</u>	<u>24</u>

Notes: The maximum nominal pipe size is the largest interconnected field piping installed. The vacuum test shall start from a *deep vacuum*.

Field leak testing shall be complete when the system is fully charged and assembled and all field joints and pressure relief devices have been probed with an electronic halogen leak detector finding no detectable leakage (with demonstrated capability to detect leaks of the refrigerant in use to a sensitivity of 0.1 oz/year/joint).

~~**7.3 Field Evacuation.** After it is determined that there are no refrigerant leaks, Equipment Types 6, 8, 9, and 10 shall be evacuated to 1000 μg or less and held long enough to remove moisture.~~

7.4 7.3 Field Charging

~~**7.4.1 7.3.1 Charging.**~~

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 147-2019, *Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems*
First Public Review Draft

~~7.4.2~~ 7.3.2 Backflow Prevention.

~~7.5~~ 7.4 Refrigerant Charging Log.

~~7.6~~ 7.5 Water-Chilling Machines.

Revise Section A5.3 Leak Testing as shown below

A5.3 Leak Testing

A5.3.1 Initial Leak Testing of Uncharged Systems of Type 6, 8, 9, and 10. For field erected systems, leak detection and dehydration may be performed in three steps: with the system under pressure apply a soap bubble solution and observe leaks, next use pressurize nitrogen with a trace gas and refrigerant detector, and finally draw a vacuum to demonstrate all major leaks have been located.

- ~~a. With the system under nitrogen pressure, apply soap solution to all likely leak spots and observe; bubble formation indicates a likely large leak. This test should not be the only leak detection performed; steps (b) and/or (c) should also be performed.~~
- ~~b. With a trace halocarbon gas mixed with nitrogen at pressure, check probable leak spots with an electronic halogen leak detector.~~
- ~~c. After removing pressurization gas, perform a triple evacuation with nitrogen purges in between. Draw first vacuum to 1500 microns (1500×10^{-6} m-Hg), hold for one hour, then purge with nitrogen. Draw second vacuum to 1000 microns (1000×10^{-6} m-Hg), hold for one hour, then purge with nitrogen. Draw third vacuum to 500 microns (500×10^{-6} m-Hg). Valve off the system from the vacuum pump. Monitor the system to determine if it holds the vacuum, thus indicating acceptable dehydration. If step (c) fails, the system is not dehydrated, the system oil may still be outgassing refrigerant or moisture, or a large leak that should have been found in step (a) or (b) is still present. Successfully completing step (c) fulfills the minimum requirement of Section 7.3.~~



**BSR/ASHRAE Addendum d
to ANSI/ASHRAE Standard 147-2019**

Public Review Draft

**Proposed Addendum d to
Standard 147-2019, Reducing the Release
of Halogenated Refrigerants from
Refrigerating and Air-Conditioning
Equipment and Systems**

**First Public Review (April 2022)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research-technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 147-2019, *Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems*
First Public Review Draft

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum makes a change to a normative reference to add a date of publication.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum d to Standard 147-2019

Revise Section 11 Normative References

NFPA. 2020 NFPA 55, Compressed Gasses and Cryogenic Fluids Code. Quincy, MA: National Fire Protection Association.



**BSR/ASHRAE/ASHE Addendum b
to ANSI/ASHRAE/ASHE Standard 189.3-2021**

Public Review Draft

**Proposed Addendum b to
Standard 189.3-2021, Design,
Construction, and Operation of
Sustainable High-Performance
Health Care Facilities**

**First Public Review (April 2022)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE/ASHE Addendum b to ANSI/ASHRAE/ASHE Standard 189.3-2021, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*

First Public Review Draft

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FOREWORD

Addendum c to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020 revises the requirements for hot-water distribution by eliminating specific instructions for calculating pipe volume including the removal of Table 6.3.3.1. This proposed addendum to Standard 189.3 removes Exception #1 as part of Section 6.3.3.1 due to the unique patient population within healthcare facilities and the concern for pathogens present in water distribution systems.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum b to Standard 189.3-2021

Add exception to Section 6.3.3.1 as shown.

Exception to Section 6.3.3.1 Exception #1

Public metering lavatory faucets and lavatory fixtures are required to comply with Section 6.3.3.1, “Maximum Allowable Pipe Volume” within healthcare facilities.



**BSR/ASHRAE/ASHE Addendum c
to ANSI/ASHRAE/ASHE Standard 189.3-2021**

Public Review Draft

**Proposed Addendum c to
Standard 189.3-2021, Design,
Construction, and Operation of
Sustainable High-Performance
Health Care Facilities**

**First Public Review (April 2022)
(Draft shows Proposed Changes to Current Standard)**

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BSR/ASHRAE/ASHE Addendum c to ANSI/ASHRAE/ASHE Standard 189.3-2021, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*

First Public Review Draft

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FOREWORD

Addendum ax to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020 adds a reference to ANSI/ASHRAE Standard 62.1, Section 7, “Construction and System Start-Up,” which includes several requirements that support good indoor air quality. To avoid duplication and confusion, it also deletes some requirements from Standard 189.1, Section 10, that are covered by the referenced section in Standard 62.1.

Standard 189.3, Section 10.2, “Compliance,” notes the “construction and plans for operation shall comply with provisions of Standard 189.1, Section 10, except as specifically deleted, excepted, modified, or enhanced in accordance with Sections 10.3 through 10.5 of this standard. This proposed addendum to Standard 189.3 eliminates Standard 189.1 Addendum ax from being incorporated into Standard 189.3 and provides alternative requirements for IAQ Construction Management and Start-up by referenced section in ANSI/ASHRAE/ASHE Standard 170.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strike through~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum c to Standard 189.3-2021

Add new Section 10.4 as shown.

10.4 Construction

10.4.1 IAQ Construction Management and System Startup. Ventilation systems shall be constructed and started in compliance with ANSI/ASHRAE/ASHE Standard 170, Section 10.



BSR/ASHRAE Standard 72-2018R

Public Review Draft

Method of Testing Open and Closed Commercial Refrigerators and Freezers

**Second Public Review Draft (April 2022)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE Standard 72-2018R, *Method of Testing Open and Closed Commercial Refrigerators and Freezers*
2nd ISC Publication Public Review Draft

Background. The first 72-2018R Publication Public Review (PPR1) that ended on June 28, 2021, had a total of 7 public review comments comprised of 6 substantive comments and 1 supportive comment. The SSPC 72 voting members voted to accept all proposed responses to substantive public review comments during the SSPC 72 Interim Virtual Meeting on December 3, 2021. The proposed responses to the substantive public review comments were subsequently uploaded into ASHRAE's Online Comment Database, then all proposed responses to substantive public review comments were "resolved." This 2nd 72-2018R Interdependent Substantive Change (ISC) public review draft consists of the responses to the substantive and supportive first public review comments.

This is a review of Independent Substantive Changes to normative text made since the last public review. Text that was removed from the Public Review Draft is provided for reference but is shown in ~~strikeout~~, and text that has been added is shown with underlines.

Only these changes are open to comment at this time. All other material is provided for context only and is not open for Public Review comment except as it relates to the proposed changes.

Section 8.4: edit units for specific heat.

C_{p_p} = secondary coolant specific heat evaluated at the average entering coolant temperature during the running cycle(s) within Test B, ~~J/(Kg·°C) (Btu/lb·°F)~~ J/(Kg·°C) (Btu/(lb_m·°F))

Appendix A: update values to more reasonable value

Dry Bulb Temperature Gradient Std 41.1

~~<0.6 °C per 305mm~~ < 0.8 °C per meter

(< 1.0 °F per foot)

Figure 2: Add additional sentence for clarification

"The hatched area is the net usable volume cross section."

Remove Informative Appendix B

For INFORMATIVE APPENDIX B: ILLUSTRATIONS FOR MEASURING USABLE VOLUME AND DISPLAY AREA, our understanding is that the committee had agreed to remove this appendix. Recommend removing as usable volume and display area are not metrics measured in the test standard.

Sections 7.3.3, 8.3, 10: Editorial changes as noted below.

- In Section 7.3.3, Lighting Occupancy Sensors and Controls, "hours" is misspelled at the end of the section.
- In Section 8.3, Calculation of Direct-Expansion Refrigeration Load, the definition of "hv" is missing the word "properties" in the second sentence as shown below.

BSR/ASHRAE Standard 72-2018R, *Method of Testing Open and Closed Commercial Refrigerators and Freezers*
2nd ISC Publication Public Review Draft

Refrigerant properties shall be obtained from NIST Reference Fluid Thermodynamic and Transport Properties Database (REFPROP)² or from the refrigerant supplier.

- In Section 10 REFERENCES, the titles for all of the ASHRAE standards should include the year as shown below.

10 REFERENCES

1. ASHRAE. 2020. ANSI/ASHRAE Standard 41.1-2020, *Standard Method for Temperature Measurement*. Section on “Temperature Measurements.” Atlanta: ASHRAE.

2. ASHRAE. 2022. ANSI/ASHRAE Standard 41.2-2022, *Standard Methods for Air Velocity and Airflow Measurement*, Atlanta: ASHRAE.

~~3. ASHRAE. 1997 (RA2002) 1987 (RA1992). ANSI/ASHRAE Standard 41.2, *Standard Methods for Laboratory Airflow Measurement*, Atlanta: ASHRAE.~~

34. ASHRAE. 2014. ANSI/ASHRAE Standard 41.3-2022, *Standard Methods for Pressure Measurement*, Atlanta: ASHRAE.

45. ASHRAE. 2014. ANSI/ASHRAE Standard 41.6-2021, *Standard Method for Humidity Measurement*, Atlanta: ASHRAE.

- In Section 4.2, ASHRAE Method of Measurement Standards, change Item b. as shown below.
- b. ~~Airflow~~ Air Velocity: ASHRAE Standard 41.2-2022. ~~and the legacy multiple nozzle chamber geometries in ASHRAE Standard 41.2-1997 (RA2002)~~

Tracking Number 25i10r6
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Revision to NSF/ANSI 25 – 2021
Issue 10, Draft 6 (April 2022)

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NSF/ANSI Standard
for Food Equipment –

Vending machines for food and beverages

•
•

5 Design and construction

This section contains design and construction requirements for equipment covered within the scope of this Standard.

•

5.36 Water Vending Machines

5.36.1 Water Treatment Processes

5.36.1 Water vending machines shall employ treatment processes, which result in the reduction or removal of turbidity, odors, off- tastes and microbial reduction. Processes for dissolved solids reduction or removal including, but not limited to, deionization and reverse osmosis may also be used.

5.36.1.2 All water treatment devices used shall be certified to the applicable water treatment standard per the treatment function, including the following standards:

- NSF/ANSI 42: Drinking Water Treatment Units – Aesthetic Effects
- NSF/ANSI 53: Drinking Water Treatment Units – Health Effects
- NSF/ANSI 55: Ultraviolet Microbiological Water Treatment Systems
- NSF/ANSI 58: Reverse Osmosis Drinking Water Treatment Systems
- NSF/ANSI 62: Drinking Water Distillation Systems
- NSF/ANSI 244: Drinking Water Treatment Units Supplemental Microbiological Water Treatment Systems – Filtration

5.36.1.3 Microbial reduction

5.36.1.3.1 All water processed through a water vending machine shall undergo microbial reduction as the last treatment step prior to being dispensed.

5.36.1.3.2 Machines utilizing ultraviolet microbial reduction shall meet minimum Class B requirements as outlined in NSF/ANSI Standard 55

5.36.1.3.3 The machine's operating conditions shall be within the design specifications of the microbial reduction system.

5.36.2 Cabinet Markings and Claims

5.36.2.1 Water vending machines shall be void of written or graphic material that states or implies a degree of water quality beyond the capability of the machine or suggests a source other than actual source.

5.36.2.2 Units that are filtration-only water vending machines shall have a permanent and legible marking stating, "This Machine Is Intended for Connection to an Inspected, Approved Potable Water System Containing 400 ppm (400 mg/L) of TDS or Less," or equivalent wording, and shall be affixed to the external cabinet at or near the water inlet connection.

All other water vending machines shall have a permanent and legible marking stating, "This Machine Is Intended for Connection to Inspected, Approved Potable Water Systems Only" or equivalent wording, and shall be affixed to the external cabinet at or near the water inlet connection.

5.36.2.3 All water vending machines shall have a permanent and legible marking that contains a reminder to consumers to "Use Clean, Sanitized Containers". The label shall be affixed to the external cabinet at or near the water dispensing port.

5.36.2.4 If multiple types of water (e.g. filtered, treated, distilled, purified, RO, etc.) are to be dispensed from the same machine, an explanation of the type of water shall be located at or near the appropriate product selector.

5.36.3 Water vending machines shall not be capable of bottle or container washing or sanitizing.

Rationale: Additions based on gaps between NSF 25 and NAMA standard.

-

5.37.5 Cutoff Controls and Sensors

5.37.5.1 Water vending machines shall be equipped with sensors and controls that will prevent vending in the event of interruption or failure of the microbial reduction process to perform as designed

5.37.5.1.1 Where UV Light is used for microbial reduction, controls shall include one of the following methods:

5.37.5.1.1.1 Intensity Sensing Automatic Controls

The machine shall be equipped with a mechanism or sensor to deactivate the vending mechanism if the intensity of effective radiation does not meet the minimum Class B requirements of NSF/ANSI 55.

5.37.5.1.1.2 Intensity Sensing Manual Controls

The machine's UV lamp assembly shall be designed to permit intensity testing with a portable meter while precluding direct eye exposure to radiation during the test.

Manufacturers who elect this option shall post in each machine on or adjacent to the UV assembly a permanent instruction label specifying the following:

- a safe test procedure, with appropriate warnings; and
- a minimum intensity level meeting the Class B requirements of NSF/ANSI 55—shall be maintained for the life of the lamp; and
- a lamp replacement policy consistent with a frequency which meets the minimum requirements of NSF/ANSI 55 for systems without a UV sensor alarm. A renewable record for entering "Lamp Installed"

and "Lamp Tested" dates shall be posted near the UV assembly

5.37.5.2 Water vending machines shall be equipped with sensors and controls that will prevent vending:

- if dispensed water rises above 10ppm (10 mg/L) TDS for dispensed water identified as "purified";
- or
- if the waste container or sump pit overflows
-
-

7 Product Literature

The manufacturer shall provide a set of printed instructions for installation, operation and maintenance of the machine that include the following, as applicable:

Rationale: While units that utilize in place cleaning are required to provide instructions, there is no requirement for those to be printed, or overall printed instructions for the unit to be provided.

7.1 Machine Installation

- a water supply connection warning as specified in section 5.36.2.2; and
- instructions for an air-gapped sewer connection if the machine is connected to a sewer.

7.2 CIP and Maintenance

7.2.1 Step-by-step instructions covering sanitizing procedures, and routine internal and external cleaning including recommended sanitizing solutions, and their concentrations. This requirement applies to manual cleaning and to CIP procedures recommended by the manufacturer.

7.2.2 Instructions shall stipulate the frequency of procedures described in 7.2.1.

7.3 Replace/Replenishment Schedule

- a recommended maximum number of vends, sensor reading or water flow schedule for servicing/replacing filter elements, RO membranes, DI resins, UV lamps and other components with finite effectiveness;
- sanitation instructions for the safe handling of such replaceable materials, as applicable; and
- trouble shooting guidelines for isolating malfunctions indicated by water quality test results.

7.4 UV or Other Microbial Reduction System Service and Maintenance, one or more of the following:

- frequency of UV bulb replacement;
- type of UV test meter and testing methods for radiation intensity (unless in-machine sensors are provided);
- procedures and frequency for UV system to maintain the intensity of effective radiation meeting the minimum Class B requirements of NSF/ANSI 55;
- instruction in proper control setting, as necessary, to produce vended water of the quality claimed.

7.5 Parts Replacement / Replenishment

— frequencies for replacement or replenishment of filter element membranes and resins based on vend volumes that are consistent with suppliers' recommendations.

— warnings against the use of such components that are not identical to the original material or equivalent in function and non-toxicity.

7.6 Vended Water Testing

A recommended semiannual frequency for sampling vended water for total coliform and service visit frequency for testing product waters for conductivity, taste, odor and turbidity.

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NSF/ANSI International Standard for Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

Normative Annex 1

(formerly Annex A)

Performance tests

•

N-1.3 Noise level test

N-1.3.1 Purpose

This test provides a uniform method for measuring the noise level produced by the cabinet. The methods can be performed in most acoustically ordinary rooms, such as a factory, where walls are neither sound absorbing nor completely sound reflecting. The cabinet shall be operated at the nominal set point velocities within ± 3 ft/min (± 0.015 m/s).

N-1.3.2 Apparatus

The measuring instrument shall be a type / Class 1 sound level meter with a minimum range of 50 to 100 db and an "A" weighting scale set up in accordance with the manufacturer's instructions.

N-1.3.3 Method

- a) Turn on the cabinet blower and lights.
- b) Set the instrument to the "A" weighting mode.
- c) **Measure** **Position** the noise level **meter** 12 inches (0.30 m) in front of the cabinet **leading** front edge of the access opening and 15 inches (0.38 m) above the plane of the work surface, in line with the vertical centerline of the cabinet (see Figure 12).
- d) **Measure** the gross noise level.
- e) **To m** **Measure** the ambient **background** noise level, ~~turn the cabinet blower and lights off, and if applicable, leave the remote exhaust blower on and measure as in step c above.~~ **with the cabinet blower(s) and light(s) off and, if applicable, the exhaust blower on.**
- f) **Correct** the gross noise level in accordance with curves or tables provided in the instrument operator's manual to determine the net noise level.

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N-1.3.4 Acceptance

Overall The net noise level in front of the cabinet shall not exceed 67 dbA. ~~when measured where the maximum ambient sound level is 57 dbA. When the ambient sound level is greater than 57 dbA, the reading obtained in Section N-1.4.3.c) shall be corrected in accordance with curves or tables provided in the instrument operator's manual. If this information is not available, use standard correction curves or tables (see Table N-1.1).~~

Table N-1.1
Correction chart for sound level readings

Difference between total and background sound readings in dbA	Number to subtract from total to yield corrected noise level
0 to 2	reduce background levels
3	3
4 to 5	2
6 to 10	1
> 10	0

•

Normative Annex 5 (formerly Annex F)

Field tests

•

N-5.11 Noise level tests

N-5.11.1 Purpose

This test is performed to measure the noise levels produced by the cabinet as a guide to satisfactory mechanical performance and an aid in minimizing cabinet operator's fatigue. The procedures can be performed in most acoustically ordinary rooms, such as a factory, where walls are neither sound absorbing nor completely sound reflecting.

N-5.11.2 Apparatus

A type / Class 2 sound level meter with a minimum range of at least 50 to 100 db and an "A" weighing scale set up in accordance with the manufacturer's instructions.

N-5.11.3 Method

- a) Operate the cabinet within 5 ft/min (0.025 m/s) of the nominal set point with lights on.
- b) Set the instrument to the "A" weighting mode.

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- c) Measure Position the noise level meter 12 inches (300 mm) in front of the cabinet (leading front edge of the access opening) and 15 inches (380 mm) above the plane of the work surface, in line with the vertical centerline of the cabinet (Annex N-1, Figure 13).
- d) Measure the gross noise level.
- de) ~~To m~~ Measure the ambient background noise level, ~~turn the cabinet blower and lights off, and if applicable, leave the remote exhaust blower on and measure as in step c above.~~ with the cabinet blower(s) and light(s) off and, if applicable, the exhaust blower on.
- f) Correct the gross noise level in accordance with curves or tables provided in the instrument operator's manual to determine the net noise level.
- eg) Reported values shall be:
- unit "on" gross sound level reading;
 - background sound level reading;
 - net sound level;
 - pass or fail; and
 - name of test (noise level tests).

N-5.11.4 Acceptance

~~Overall~~ The net noise level in front of the cabinet shall not exceed 70 dbA. ~~when measured where the maximum ambient sound level is no greater than 60 dbA. When the ambient sound level is greater than 60 dbA, the reading obtained in Section N-5.11.3.c) shall be corrected in accordance with curves or tables provided in the instrument operator's manual. If this information is not available, standard correction curves or tables shall be used (see following table).~~

Correction chart for sound level readings

Difference between total and background sound readings in dbA	Number to subtract from total to yield corrected noise level
0 to 2	reduce background levels
3	3
4 to 5	2
6 to 10	1
> 10	0

Rationale: technology of BSCs has changed substantially since this language was written into Standard 49 many years ago. After detailed discussed by the Task Group, and consulting with a sound meter expert, the group decided these changes more accurately reflect the intent of testing the sound level of a BSC.

Wording was changed to be more consistent with similar language in the Vibration test.

Separately, the group decided that a new issue paper should be submitted to discuss the very need for this performance test in the first place, which is not within the scope of the original issue paper.

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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by **grey highlighting**. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
For Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

1 General

1.1 Purpose

The purpose of this Standard is to establish minimum materials, design and construction, and performance requirements for residential wastewater treatment systems providing for nitrogen reduction. This Standard also specifies the minimum literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to owners.

1.2 Scope

This Standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. ~~A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40, *Residential Wastewater Treatment Systems*, or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.~~

The water chemistry of a site for installation and use of these systems is critical to achieve expected water quality results. Before these systems are installed at a location, the water used within the residence must be analyzed to verify that there is sufficient alkalinity to achieve the system's performance. Refer to Annex I-1 for further explanation.

Natural systems involving features such as vegetation, wetlands, free-access or buried sand filters, and soil systems may be evaluated using this Standard as long as effluent samples are representative of all treated effluent discharged from the system, as sampled from a central point of collection of all treated effluent.

1.3 Alternate materials, design, and construction

While specific materials, designs, and constructions may be stipulated in this Standard, systems that incorporate alternate materials, designs, or constructions may be acceptable when it is verified that such systems meet the applicable requirements herein.

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1.4 Performance classification

For the purpose of this Standard, systems are classified according to the chemical, biological, and physical characteristics of their effluents, as determined by the performance testing and evaluations described herein.

All systems within a manufacturer's model series may be classified according to the performance testing and evaluation of the system with the smallest hydraulic capacity within the series. Performance testing and evaluation of larger systems within the series (having hydraulic treatment capacities within the scope of this Standard) may not be necessary, provided that the dimensions, hydraulics, mixing, filtering, and biological treatment capabilities, and other applicable design characteristics are proportionately equivalent to the evaluated system.

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8 Performance testing and evaluation

This section describes the methods used to evaluate the performance of residential wastewater treatment systems designed to remove nitrogen from residential wastewater. Performance testing and evaluation shall not be restricted to specific seasons.

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8.4.3 Effluent quality

For purposes of determining system performance, only samples collected during design loading periods, described in Section 8.2.2, shall be used in the calculations. The data collected during the stress sequences shall not be included in the calculations, but shall be included in the final report.

8.4.3.1 CBOD₅

The average CBOD₅ of all effluent samples shall not exceed ~~25~~ 60 mg/L.

8.4.3.2 TSS

The average TSS of all effluent samples shall not exceed ~~30~~ 100 mg/L.

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BSR/UL 231, Standard for Power Outlets

1. Revision of Requirements for Power Outlets with Ground-Fault Circuit-Interrupter Protection

PROPOSAL

8.5.1 Unless modified by provisions in 8.5.3 – 8.5.7, all 125-volt through 250-volt receptacles intended to be supplied by ~~a circuit~~ single-phase circuits rated 150 volts or less to ground, 50 A or less, and all receptacles supplied by three-phase branch circuits rated 150 volts or less to ground, 100 amperes or less and provided in a power outlet or fitting shall be provided with ground-fault circuit protection (GFCI) for personnel that complies with the Standard for Ground-Fault Circuit-Interrupters, UL 943. See markings in 35.57 – 35.60.

Exception: Receptacles of the TT-30R pattern may omit ground-fault protection if marked as specified in 35.77.

8.5.2 ~~Deleted~~ The GFCI protection for personnel shall be provided integral with the power outlet or fitting.

Exception: A power outlet or fitting with a current rating of 100 A or less, and a loop feed rating (if provided) of 100 A or less, may omit the GFCI protection when marked in accordance with 35.80.

35.80 Units without integral ground-fault circuit protection (GFCI) for personnel, as permitted in the Exception to 8.5.2, shall be marked “Ground-fault circuit protection (GFCI) protection is not provided as part of this power outlet. If GFCI protection is required, the power outlet shall be installed on a GFCI protected circuit”, or equivalent.

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